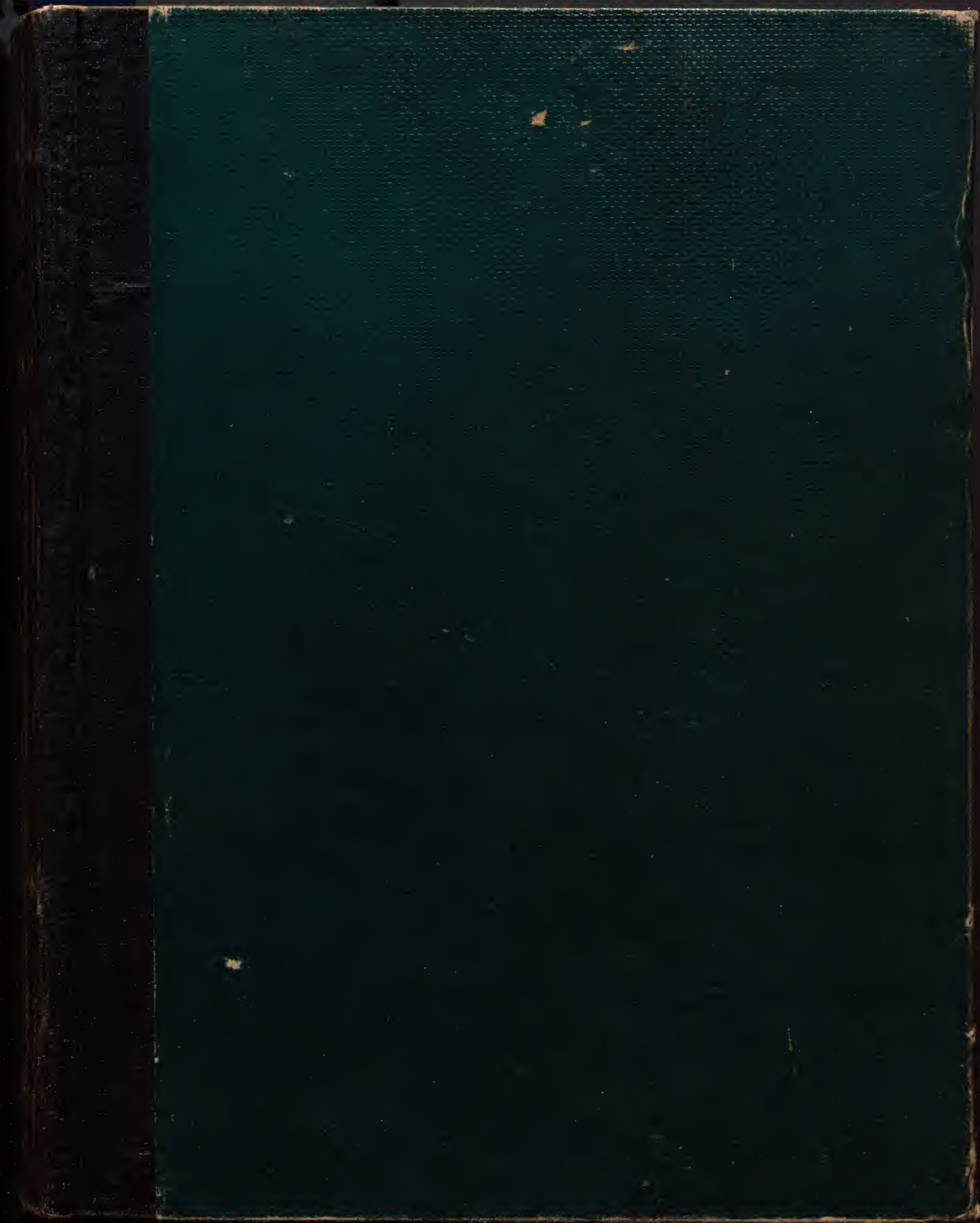


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VOL. 12.

DIARY

OF

EXCURSIONS, CAPTURES OF
INSECTS, &c.,

(CHIEFLY HYMENOPTERA)

MOSTLY MADE BY A.W. STELFOX

FROM 16th JULY 1941 TILL 13th SEPT. 1942.

16th July 1941. A fine day, after several
poor & dull days with some showers, mainly
dull in afternoon, with a few brief glimpses of
rain, cooler than of late: wind W.-N.W.

In afternoon rode to Glencasmole, Co. DU
& collected by sweeping in following.

- 1 = flat & head of upper reservoir: 4 till 5 P.M.
- 2 = under trees & along channel & at
foot (W. side) of upper dam. Some outlet is
5.45-6.40.
- 3 = under trees & along rim between Moore's
garden & boats & about the stable: 6.40-7.15
- 4 = under trees S. of & behind the "run-trap"
on West side of lower reservoir: & on edge. 7.15-7.30
- 5 = under trees at hut & N. of same, on
W. side of lower reservoir, i.e. N. of 4, & on
shore of lake opposite hut. 7.30-8.0 P.M.

Bombus lucorum & *B. lucorum* (7 swept 47 +)
 ♀♀ at 1, but rare.
 1 Black Swallow at 3.?? = *Lophoceros lucorum* (singing)
Epithema japonicum 2 100. *Orthocentrus annulatus* 200
Staph. sp. 200. ♀
Chrysomelidae *longicornis* 1 ♀

16.7.41, cont. Glencasmole, DU., cont.

Chrysomelidae 1, not kept.
Chrysomelidae 1 ♀, not kept.
Phyllotreta, *Chrysomelidae* 9 = ... at 5.
Pezomachus 7018, for kept only (see ...)
 about 2 dozen other *Chrysomelidae* ...
Chrysomelidae? 4 at 1, at 22 =
Phyllotreta? 2 at 1, not kept, at 22 =
Chrysomelidae not at 14, black, small, not kept.
Pimpla promelas (at 3) ♂, reddish abd., but feet legs
P. maculipes? also kept. *Phyllotreta* ... at 2
Chrysomelidae *bellata* ♂♂, 1 ♀. not seen 1941 ...
Chrysomelidae ... at 1.
Chrysomelidae? 1 ♀ at 1, not kept.
Phyllotreta 100 at 1 =
Tryphon *truncatellus* ♀ at 1
Pentamerus ... at 1, at 2, at 22
Bombus annulatus, 1 ♀ at 1.
Homocidus ... at 1, with ...
Staphylinidae [see *S. ventralis*] none on the day
Staphylinidae ... at 4, at 22
Staphylinidae ... at 2, at 22

16.7.41, cont. Glenasmole, DU., cont.
Mesochorus 20 at 1, 2nd inst., ant. 22+24
M. 2 at 2, ant. 30.
M. 2 at 4, ant. 45.

Camptopleura 1 adult 1 dozen only, 1 kept
 = *Gaster* *canaliculata*? 2 at 2

Microgaster 2 or 3 only, 1 kept
 = *M.* 2 at 3

Helictes 100 not kept
Phaenocarpa? 100 not kept

Bracon fl. par. 100 at 1, ant. 45.
B. p. fl. par. 100 at 2, ant. 45.
Rhyssalus nigricornis 100 at 3 (ant. 45); 2 at 4 (ant. 45).

16.7.41, cont. Glenasmole, DU., cont.
Sigalphus caudatus 2 at 2, ant. 30, 32+34
Microgaster *reticulatus*? 2 at 1, ant. 35-45
G. unilobus 1 at 1, ant. 35.
G. fl. par. only 20 at 1, kept only

Euphorus pallipes 21 (all seen)
Notonotus canaliculatus 2 at 2, ant. 46.
M. fl. par. 1 at 2, ant. 35.
Polistes longipennis? 1 ♀, with small, 1st inst. ant. 25.
Calyptus tibialis 2 ♀♀ (1 at 1, 1 at 2), ant. 30+32.
Microgaster *fl. par.* 100, 1 ♀ at 3, ant. 32+34, kept.

Opius "spumulator" communis } none kept
O. irregularis 100 }
O. conglobatus several }
O. nigricornis 2 at 2, ant. 35.

Phaenocarpa canaliculata 2, ant. 35.
Cedrus flavus 100

20th July 1941. A dull day, but no rain. There was
 some light shower, but about 11.15 rather
 strong SW-W wind: much drier.

Rode to Rye Water & Royal Canal at Leicestershire
 station, Co. KD., where arrived at noon.

Swifts: 1st from road to Rye Water (NW side of
 canal) = 1; after lunch rode on 1/2 mile & collected
 along edge of canal & in plantation between canal
 & front of Collingwood House (= 2.2.3.4.5.6.7.8.9.10.11.12.13.14.15.16.17.18.19.20.21.22.23.24.25.26.27.28.29.30.31.32.33.34.35.36.37.38.39.40.41.42.43.44.45.46.47.48.49.50.51.52.53.54.55.56.57.58.59.60.61.62.63.64.65.66.67.68.69.70.71.72.73.74.75.76.77.78.79.80.81.82.83.84.85.86.87.88.89.90.91.92.93.94.95.96.97.98.99.100.101.102.103.104.105.106.107.108.109.110.111.112.113.114.115.116.117.118.119.120.121.122.123.124.125.126.127.128.129.130.131.132.133.134.135.136.137.138.139.140.141.142.143.144.145.146.147.148.149.150.151.152.153.154.155.156.157.158.159.160.161.162.163.164.165.166.167.168.169.170.171.172.173.174.175.176.177.178.179.180.181.182.183.184.185.186.187.188.189.190.191.192.193.194.195.196.197.198.199.200.201.202.203.204.205.206.207.208.209.210.211.212.213.214.215.216.217.218.219.220.221.222.223.224.225.226.227.228.229.230.231.232.233.234.235.236.237.238.239.240.241.242.243.244.245.246.247.248.249.250.251.252.253.254.255.256.257.258.259.260.261.262.263.264.265.266.267.268.269.270.271.272.273.274.275.276.277.278.279.280.281.282.283.284.285.286.287.288.289.290.291.292.293.294.295.296.297.298.299.300.301.302.303.304.305.306.307.308.309.310.311.312.313.314.315.316.317.318.319.320.321.322.323.324.325.326.327.328.329.330.331.332.333.334.335.336.337.338.339.340.341.342.343.344.345.346.347.348.349.350.351.352.353.354.355.356.357.358.359.360.361.362.363.364.365.366.367.368.369.370.371.372.373.374.375.376.377.378.379.380.381.382.383.384.385.386.387.388.389.390.391.392.393.394.395.396.397.398.399.400.401.402.403.404.405.406.407.408.409.410.411.412.413.414.415.416.417.418.419.420.421.422.423.424.425.426.427.428.429.430.431.432.433.434.435.436.437.438.439.440.441.442.443.444.445.446.447.448.449.450.451.452.453.454.455.456.457.458.459.460.461.462.463.464.465.466.467.468.469.470.471.472.473.474.475.476.477.478.479.480.481.482.483.484.485.486.487.488.489.490.491.492.493.494.495.496.497.498.499.500.501.502.503.504.505.506.507.508.509.510.511.512.513.514.515.516.517.518.519.520.521.522.523.524.525.526.527.528.529.530.531.532.533.534.535.536.537.538.539.540.541.542.543.544.545.546.547.548.549.550.551.552.553.554.555.556.557.558.559.560.561.562.563.564.565.566.567.568.569.570.571.572.573.574.575.576.577.578.579.580.581.582.583.584.585.586.587.588.589.590.591.592.593.594.595.596.597.598.599.600.601.602.603.604.605.606.607.608.609.610.611.612.613.614.615.616.617.618.619.620.621.622.623.624.625.626.627.628.629.630.631.632.633.634.635.636.637.638.639.640.641.642.643.644.645.646.647.648.649.650.651.652.653.654.655.656.657.658.659.660.661.662.663.664.665.666.667.668.669.670.671.672.673.674.675.676.677.678.679.680.681.682.683.684.685.686.687.688.689.690.691.692.693.694.695.696.697.698.699.700.701.702.703.704.705.706.707.708.709.710.711.712.713.714.715.716.717.718.719.720.721.722.723.724.725.726.727.728.729.730.731.732.733.734.735.736.737.738.739.740.741.742.743.744.745.746.747.748.749.750.751.752.753.754.755.756.757.758.759.760.761.762.763.764.765.766.767.768.769.770.771.772.773.774.775.776.777.778.779.780.781.782.783.784.785.786.787.788.789.790.791.792.793.794.795.796.797.798.799.800.801.802.803.804.805.806.807.808.809.810.811.812.813.814.815.816.817.818.819.820.821.822.823.824.825.826.827.828.829.830.831.832.833.834.835.836.837.838.839.840.841.842.843.844.845.846.847.848.849.850.851.852.853.854.855.856.857.858.859.860.861.862.863.864.865.866.867.868.869.870.871.872.873.874.875.876.877.878.879.880.881.882.883.884.885.886.887.888.889.890.891.892.893.894.895.896.897.898.899.900.901.902.903.904.905.906.907.908.909.910.911.912.913.914.915.916.917.918.919.920.921.922.923.924.925.926.927.928.929.930.931.932.933.934.935.936.937.938.939.940.941.942.943.944.945.946.947.948.949.950.951.952.953.954.955.956.957.958.959.960.961.962.963.964.965.966.967.968.969.970.971.972.973.974.975.976.977.978.979.980.981.982.983.984.985.986.987.988.989.990.991.992.993.994.995.996.997.998.999.1000.1001.1002.1003.1004.1005.1006.1007.1008.1009.1010.1011.1012.1013.1014.1015.1016.1017.1018.1019.1020.1021.1022.1023.1024.1025.1026.1027.1028.1029.1030.1031.1032.1033.1034.1035.1036.1037.1038.1039.1040.1041.1042.1043.1044.1045.1046.1047.1048.1049.1050.1051.1052.1053.1054.1055.1056.1057.1058.1059.1060.1061.1062.1063.1064.1065.1066.1067.1068.1069.1070.1071.1072.1073.1074.1075.1076.1077.1078.1079.1080.1081.1082.1083.1084.1085.1086.1087.1088.1089.1090.1091.1092.1093.1094.1095.1096.1097.1098.1099.1100.1101.1102.1103.1104.1105.1106.1107.1108.1109.1110.1111.1112.1113.1114.1115.1116.1117.1118.1119.1120.1121.1122.1123.1124.1125.1126.1127.1128.1129.1130.1131.1132.1133.1134.1135.1136.1137.1138.1139.1140.1141.1142.1143.1144.1145.1146.1147.1148.1149.1150.1151.1152.1153.1154.1155.1156.1157.1158.1159.1160.1161.1162.1163.1164.1165.1166.1167.1168.1169.1170.1171.1172.1173.1174.1175.1176.1177.1178.1179.1180.1181.1182.1183.1184.1185.1186.1187.1188.1189.1190.1191.1192.1193.1194.1195.1196.1197.1198.1199.1200.1201.1202.1203.1204.1205.1206.1207.1208.1209.1210.1211.1212.1213.1214.1215.1216.1217.1218.1219.1220.1221.12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22.2223.2224.2225.2226.2227.2228.2229.2230.2231.2232.2233.2234.2235.2236.2237.2238.2239.2240.2241.2242.2243.2244.2245.2246.2247.2248.2249.2250.2251.2252.2253.2254.2255.2256.2257.2258.2259.2260.2261.2262.2263.2264.2265.2266.2267.2268.2269.2270.2271.2272.2273.2274.2275.2276.2277.2278.2279.2280.2281.2282.2283.2284.2285.2286.2287.2288.2289.2290.2291.2292.2293.2294.2295.2296.2297.2298.2299.2300.2301.2302.2303.2304.2305.2306.2307.2308.2309.2310.2311.2312.2313.2314.2315.2316.2317.2318.2319.2320.2321.2322.2323.2324.2325.2326.2327.2328.2329.2330.2331.2332.2333.2334.2335.2336.2337.2338.2339.2340.2341.2342.2343.2344.2345.2346.2347.2348.2349.2350.2351.2352.2353.2354.2355.2356.2357.2358.2359.2360.2361.2362.2363.2364.2365.2366.2367.2368.2369.2370.2371.2372.2373.2374.2375.2376.2377.2378.2379.2380.2381.2382.2383.2384.2385.2386.2387.2388.2389.2390.2391.2392.2393.2394.2395.2396.2397.2398.2399.2400.2401.2402.2403.2404.2405.2406.2407.2408.2409.2410.2411.2412.2413.2414.2415.2416.2417.2418.2419.2420.2421.2422.2423.2424.2425.2426.2427.2428.2429.2430.2431.2432.2433.2434.2435.2436.2437.2438.2439.2440.2441.2442.2443.2444.2445.2446.2447.2448.2449.2450.2451.2452.2453.2454.2455.2456.2457.2458.2459.2460.2461.2462.2463.2464.2465.2466.2467.2468.2469.2470.2471.2472.2473.2474.2475.2476.2477.2478.2479.2480.2481.2482.2483.2484.2485.2486.2487.2488.2489.2490.2491.2492.2493.2494.2495.2496.2497.2498.2499.2500.2501.2502.2503.2504.2505.2506.2507.2508.2509.2510.2511.2512.2513.2514.2515.2516.2517.2518.2519.2520.2521.2522.2523.2524.2525.2526.2527.2528.2529.2530.2531.2532.2533.2534.2535.2536.2537.2538.2539.2540.2541.2542.2543.2544.2545.2546.2547.2548.2549.2550.2551.2552.2553.2554.2555.2556.2557.2558.2559.2560.2561.2562.2563.2564.2565.2566.2567.2568.2569.2570.2571.2572.2573.2574.2575.2576.2577.2578.2579.2580.2581.2582.2583.2584.2585.2586.2587.2588.2589.2590.2591.2592.2593.2594.2595.2596.2597.2598.2599.2600.2601.2602.2603.2604.2605.2606.2607.2608.2609.2610.2611.2612.2613.2614.2615.2616.2617.2618.2619.2620.2621.2622.2623.2624.2625.2626.2627.2628.2629.2630.2631.2632.2633.2634.2635.2636.2637.2638.2639.2640.2

20 7-41, cont. Leach's, Co. KD, cont.
Cephus spp. frequent only 2 kept.
C. palustris 1 at 1.

C. ... 1 at 2.

Microgaster *fulvus* 1 at 3. *M. ...* 1 at 1.

Syrphoctonus *flavipes* 1 at 3.

Aphidius *exilis* 1 at 1, 1 at 2, 1 at 3.

Rhyssalus *...* 1 at 3. *R. ...* 1 at 1, 1 at 2, 1 at 3.

Chalcid *...* 1 at 1, 1 at 2, 1 at 3.

Perilissus *...* 1 at 2, 1 at 3, 1 at 4.

Meteorus *...* 1 at 1, 1 at 2, 1 at 3.

Centistes *...* 1 at 1, 1 at 2, 1 at 3.

Opius *...* 1 at 1, 1 at 2, 1 at 3.

U. ... 1 at 1, 1 at 2, 1 at 3.

Aspilota *...* 1 at 1, 1 at 2, 1 at 3.

A. ... 1 at 1, 1 at 2, 1 at 3.

A. ... 1 at 1, 1 at 2, 1 at 3.

A. ... 1 at 1, 1 at 2, 1 at 3.

A. ... 1 at 1, 1 at 2, 1 at 3.

A. ... 1 at 1, 1 at 2, 1 at 3.

20 7-41, cont. Leach's, Co. KD, cont.

Oncophanes *...* 1 at 1, 1 at 2, 1 at 3.

D. ... 1 at 1, 1 at 2, 1 at 3.

D. ... 1 at 1, 1 at 2, 1 at 3.

D. ... 1 at 1, 1 at 2, 1 at 3.

Aphidius *...* 1 at 1, 1 at 2, 1 at 3.

Chalcid *...* 1 at 1, 1 at 2, 1 at 3.

Proctos : kept 1 from 1, 1 from 2, 1 from 3.

Diptera 2 = *Chironomus* *...* 1 at 1, 1 at 2.

Coleoptera *Donacia* *...* 1 at 1, 1 at 2.

[NPB. *Carduus* *...* 1 at 1, 1 at 2, 1 at 3.]

Anteon *...* 1 at 1, 1 at 2, 1 at 3.

Anteon *...* 1 at 1, 1 at 2, 1 at 3.

A. ... 1 at 1, 1 at 2, 1 at 3.

23.7.41, cont. Ballymore, Co. L.H., cont.
Phaenocarpa sp. *Phaenocarpa* sp.

Cryptus sp. 1st inst. 1st inst.

only a few left.

Pezomachus 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

Pezomachus var. *var.* 1st inst. 1st inst.

Pezomachus 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

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Gasterocercus sp. 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

Gasterocercus sp. 1st inst. 1st inst.

23.7.41, cont. Ballymore, Co. L.H., cont.
Phaenocarpa sp. 1st inst. 1st inst.
Phaenocarpa sp. 1st inst. 1st inst.

Phaenocarpa sp. 1st inst. 1st inst.

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Phaenocarpa sp. 1st inst. 1st inst.

23 7 41, cont. Balthay, Co. Lth., cont.

Agathis brevis 3 ♀♀ at 2, common 20-30, 35-40, 45-50.

Oryctes chrysomela ♂ at 1, ant. 27.

Euphorus orchesus ♂ at 2 & 1 at 3.

E. pallipes ? 1 at 2.

Perilitus astripus ? ♂ at 1 & ♀♀ at 2, 1 at 3. ^{1st 2 sp. 18 June 1945}

Meteorus melanoscelus ? ♂ at 2, ant. 23.

M. leucogaster ♀ at 1, ant. 26; ♂ at 2, ant. 27.

M. cristellus ? ♀ at 2, ant. 28.

Calyptus ? ♂ at 2. ^{1st 2 sp. 18 June 1945} [2 ♂♂ only, 1st seen since 18 June 1945] ^{1st 2 sp. 18 June 1945}

Blacus fuscicornis ? ♂ at 2.

Microgaster

M. abdominalis ♂ at 2, ant. 25, at 3.

Opius ruficornis ♂ at 2, ant. 28.

O. cf. ruficornis ? ♂ at 2, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

O. cf. ruficornis ? ♂ at 2, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

O. cf. ruficornis ? ♂ at 2, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

O. cf. ruficornis ? ♂ at 2, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

O. cf. ruficornis ? ♂ at 2, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

O. cf. ruficornis ? ♂ at 2, ant. 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

23 7 41, cont. Balthay, Co. Lth., cont.

Proctos. sp. ♂ at 2, ant. 27. ^{1st 2 sp. 18 June 1945}

Oxytelus cf. crassicornis ♂ at 1, ant. 27. ^{1st 2 sp. 18 June 1945}

Aspilota ♂ at 2, ant. 15. ^{1st 2 sp. 18 June 1945}

A. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

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A. cf. ruficornis ? ♂ at 2, ant. 15.

A. cf. ruficornis ? ♂ at 2, ant. 15.

23.7.41, cont. Ballymore, Co. L.H., cont.
 Other observations: 1 per 1, & 1 per 2 =
 Hemiptera:

26th July 1941. A very fine day with sun & clear weather
 seen in forenoon, but after lunch the sun was
 at 1.45 watched a ♀ *Bombus distinguendus* in garden,
 11, Coleraine, Rd., Harold's Cross, Dublin, & the poor
 loads of pollen, assiduously working flowers of isolated
 plants of *Campanula* (the upright very tall-flowered species), going
 over & over the plant & reluctant to leave it, although
 more plants were at upper end of the garden and
 a few yards away. Eventually after repeatedly
 visiting the same flowers it flew to a white
Snopodragon a couple of feet away, worked several
 flowers, then back to the *Campanula* & went all
 over the open. Back to the *Campanula* & worked several
 flowers, settling itself in the flower,
 & went on to a yellow & white *Snopodragon*, where it
 worked several flowers before returning to the
Campanula, where flowers it proceeded to work

with renewed vigour. At this stage I had to leave
 & left Daisy to watch. Later she reported that
 after going all over the *Campanula* it returned
 to the rose, and it darkened in evening, dried
 & flew straight across Ellis's garden & landed
 in Daisy's *Calceolarias* & disappeared.

Later in the day Daisy saw it in the garden
 again.

While watching the ♀ *distinguendus* & my friend
Psithyrus campestris var. *paucicaesus* flew about
 the garden & then across Westfield Road; a ♀
lepidocryptus & a ♀ *Myiophila variator* also seen
 at same time, the latter very busy at flowers of
Sedum stolonifera & also seen to visit those
 of *Ranula sativaria* & the *Campanula*. Also seen
Halictus monticola per seen.

27th July 1941. Very hot sun very all day. Garden.
 Many *Myiophila* seen, including several of *variator*.
Vespa rufa 1 ♂ seen only. *Halictus monticola* seen.
Bombus terrestris several seen. *B. lapidarius* ♂
B. agrorum 1 only seen (♂), on lavender.
B. distinguendus ♂ again seen by Daisy.
Pimpla instigator 1 ♂ seen, seen. *Crabronia* still common.

27th July 1941, evening. Warm, wind dropping & many insects out, after a hot sunny day with strong N. breeze.

Rode to Glendalough & up Grand Canal to reach above 3rd lock above Glendalough bridge, Co. Dub. & collected in 2 places.

1 = north end S.E. of canal near opposite small house 1/4 mile above 3rd lock.

2 = near gate (above & below same) leading to lock, 1/2 mile above 3rd lock: chiefly near parallel drain.

3 = same place but a little further up (i.e. further S.W.).

Grand Canal, S.W. of Glendalough Bridge

6.45 - 8.45 P.M.

Helictes ♂♂: many swept, all, I think, either *calceatus* or *altipar*.

[Not a *Bombus* seen except 1 ♀ *lapidarius*]

Anteon ♂♂ frequent at 1 & 2: kept 3 from 1 & 1 from 2.

C. ruficornis 1 ♀ at 3.

Selandria ♂♂ 1 ♀ at 3: not kept

Venturidella "sulphurea" 1 ♀ swept at 1: not kept

Phaenocarpa ♂ & ♀ at 3, not kept =

27. 7. 41, P.M. Glendalough, Du., cont.

Cryptids frequent, but only a few kept: 4 from 1 & 2 from 3.

Pezomachus *instabilis*? 2 ♀ at 3. ♂

Abactes ♂ 1/2 kept. *Agastis* ♂ 1/2 kept, not swept.

Pezomachus ♂ 1/2 kept, not swept.

Pezomachus *instabilis* 4 ♀.

P.

Stelpon *pygmaea* 1 ♂.

Abactes *tenax* ♂ 1/2 kept. 1 ♀

Glypta *cratichne* 2 ♀♀.

Pimpla *flavicornis*? 2 ♂♂. 1 ♂ kept.

Microgaster *cylindricornis* 1 ♂. *Zenopsis* *superficialis* 1 ♀ at 2.

Barichneumon *delectus* 1 ♂ & 1 ♀. *Hemiteles* *pubescens* 1 ♂: not kept.

Stenomacrus ♂ 1/2 kept, not swept. *Stenomacrus* ♂ 1/2 kept, not swept.

St. clivicornis ♂ 1/2 kept, not swept. [*St. clivicornis* not seen for several weeks now. A.V.S.]

Chorebus *aurifluus* ♂♂ & ♀♀ frequent: not kept

Spontaneous *atomator*, ♂ & ♀ at 1 & 2: not kept

Mesochorus ♂ & ♀ at 2, not kept

27.7.41, P.M. cont. Glendalough, Du., cont.
Proctor. some spp. very abundant. only left 3 from 1, 2, 3 from 1

by myself. 1 large block of from 2 =

29.7.1941. Received from Rev R.M. Dunlop, of City, Co. Wick, a fine specimen of *Erigeron annuus* (L.) Link. (but not certainly) but from lawn of *Erigeron annuus* (L.) Link.

30th July 1941. Rather a squally day, with rain (some) from S.W. x N.W. in morning, but cleared at 11 A.M., just after we arrived at Howth & much hot sun between that & 5 P.M.; moved over to Ireland's Eye (F.O. Maloney at the oars!) & stayed there till about 5.30. Several heavy showers during afternoon but all missed the island & so in spite of strong W-N.W. wind quite a lot of insects swept in sheltered places. Covered most of eastern & south end of the island, but did not touch the N. side at all. Made a rough list of the

30/7/41. Ireland's Eye, Co. DU.

plants seen, but 9/10th of the south half of the island being under bracken from 1ft to 2ft high, there is no knowing what spring plants lie hidden beneath its cover.

Here is list of plants seen by me on the date.

Ranunculus bulbosus ^{SPB.} in pool at east side;
R. sceleratus & *R. Flammula*, both with last;
R. repens; *Viola* ~~sp.~~ ^{canina & Riviniana?}; *Silene maritima*;
Cerastium triviale ^{SPB.}; *C. tetrandrum* ^{SPB.}; *Stellaria media*;
Sagina procumbens ^{SPB.}; *Periplocia* ^{sp.};
Geranium molle; *Erigeron annuus* in extraordinary abundance; *C. cineraria*; *W. pinnatifida*; *Ulex europaeus*; [*U. Gallii* not seen]; [*U. Triptol.* seen]; *Lotus corniculatus* v. rare; *Rubus fruticosus*, s.l.; *Potentilla Tormentilla*; *P. reptans* ^{SPB.}; *Epilobium*; *Panzeria*; *Agrostis capillaris*?; *Rosa canina*; *Crataegus*; *Sedum anglicum*; *Aspidistra* ^{SPB.} at pool; *Geranium*; *Geranium maritimum*; *Hedera Helix*; *Lonicera*; *Galium verum*; *Callis perennis* only at pool, v. rare; *Matricaria inodora*; *Sorbus aucuparia*; *Cnicus* ^{Goryalis}; *C. lanceolatus*; *Cordua pycnostachya*; *Taraxacum*; *Sonchus oleraceus*?; *Calluna vulgaris*, one plant only on rock-cliff N. of church;

Erigeron annuus

30.7.41, cont. Lulworth Lye, D.V., cont.
 Cynipids: 1 from 2 only in fruit.

Grasshopper then swept: *Stethophaga* *truncatellus*,
 ♂, at foot of rock cliff, N. of church, I was
 surprised to find a splendid ♂ & a minute
 ♀ of the green long-horned grasshopper,
Leptophyes punctatissima, in the net. This seems
 a most extraordinary place to get the sp.
Bathypa. Meadow Brown common,
 (1) ♂ *Aglaia* several, one, *Small Tortoiseshell*
 several first seen.
 Moth.

Curculio abundant.

Homoptera common. The following only taken:

Leptura 3. *Chrysomelids* several.

30.7.41, cont. Lulworth Lye, D.V., cont.
 Coleoptera: the following taken (named for me by E.O.H.)

2nd August 1941. A fine day with much sun, warm. Clear & mild day.
 Garden, 14 Blarville Rd, Harold, X, DU.
Bombus distinguendus again very large ♀, with
 flower across Ellen's garden.
B. jonellus 1 pair on a Cassia in the garden, etc.
B. lapidarius ♀♀ & ♂♂.
B. agrorum ♀♀.
B. lucorum ♂♂.
B. terrestris ♂♂.
Megachile ulthylla 100 seen at Campagna.
M. versicolor 1♀ heavily laden with yellow pollen
 but not working assiduously at knapweed flowers
 presumably for nectar.
Chrysus ignita.

Helorus one caught with left hand
 on birch leaf at 2 P.M. and I thought it was
 a false nectar. Possibly another or same tree
 at same time.

Spangler ♀
 [2.8.41]. Taken by E.O. McKelvey at Portlough (DUMK.), Co. DU.
 sent to Mr. J. J. Rocks.

3rd August 1941. After a cool misty dawn of
 a fine day with SW-W wind, much sun
 & no rain till 7.0 P.M., then a heavy rain -
 squall passed across whole county from WNW.
 Rode to Royal Canal at Leixlip Station, Co. DU.
 worked 3 areas: -
 1 = slope from road to Ryallate, NW. of canal
 2 = slope N. of canal, drain & edge of corn field
 200-300 yards W. of Maynooth road.
 3 = silted in plantation N. of canal, by two-pole
 1/2 mile W. of stone road, as in previous dates.
 Bees very rare, except the *Bombus* bees?
Bombus sylvarum many ♀♀ (I think usual or common)
 at 2 on Knapweed, Scabious, *Ononis*, etc. The first
 time I have seen this humdrum in the district.
B. lucorum ♀♀ & ♂♂.
B. muscorum ♀♀ common at 1 & 2.
B. hortorum ♀♀ at 2.
B. agrorum ♀♀ rare at 2.
B. ducellus 100 seen at 2.
B. lapidarius ♀♀ & ♂♂ common at 1 & 2.
Pithagor. ruficornis 100 seen at 1.
P. distinctus ♂♂ at 2.

3.8.41, cont. R. Canal, Limerick, Co. KD. cont.
 Proctos. frequent but not common. ^{1st 2 from 1, 3 from 2} + 8 from 2.

Chalcid 2 = *Stenomacrus ruficornis* 1 at 2.
Hemiptera 2 from 1, 3 from 2.

Diptera 3 at 1 =

6th Aug. 1941. Garden, Harold's Cross, Que.
 A fresh ♀ *Bombus lucorum* seen in garden
 on *Erica tetralix* flowers in tub, but heavily laden
 with bright yellow pollen. During the
 previous week quite a number of fresh queens
 of *lucorum* had come into N. windows in
 the museum, apparently to seek places to hibernates,
 & very often seen in garden & at Limerick.

7th August 1941. A fine day but almost out of cloud,
 not warm, with cool westerly breeze, which dropped
 in afternoon (when wind apparently turned E. in Dublin
 & along coast & a fine squall with rain between
 7.30 & 8.30 P.M.). Took 10.20 bus (+ cycle) to
 Mallow & then cycled along canal to the Limerick
 Aqueduct (over Riv. Liffey) (W. of Sallins), & did
 a little sweeping along S. side of canal at Banestown
 (=1), then on to canal ground between Dighy Bridge
 & Landerstown Ho., where swept S. side of canal (=2)
 plantation S. of road (=3) & sides of hay-field (in barley
 in 1940) S. of plantation (=4). Secured very small
 insect catch & collecting very disappointing -
 probably owing to unusual days - cold & stormy, with
 high wind, that preceded this day.

Grand Canal, S.E., east of Landerstown Ho.
 Co. KD.

Bombus lucorum, a queen & worker, very scarce.
Pentapleura distinctus & *compunctus* 2♂♂ seen.
Halictus albifrons & *colerata* 2♂♂ abundant.
Crabro palmarum? 1♀ at 3.
Anteon 1♂ at 1.
Myrmica sp. many males swept: not examined.

7.8.41, cont. Canal, S.E. of Landerstown, Co. KD

Tenthredella monticola 2000 spp. frequent in *Myrica*
at 1 & 2. *T. alba* 1 ♀ at 2.

Tomostethus luteiventris 1 ♀ at 3: a very late date.

Tenthredo pichinasi? Very common near larch.

Small black sp. pale legs at 2. = *Tachyscaeva* of *Myrica*.

Stenocranus calypator 1 ♂, fine all black ♀ at 3.

Cratichneumon 10 ♂

Ichneumon 1 black specimen ♂.

Pimpla *leucostictus* ♂ at 1.

Cryptids: a few over only: none kept.

Pimpla turinellae? 10 ♂ at 1.

Glypta rostrata 2000 spp. at 1 & 2.

G. monacensis 2000 spp. at 1 & 2.

G. ruficornis 1 ♀ at 4. *G. nigritarsis*? ♂ at 1.

Leucospa sulphurea? 1 ♀ at 4.

Phytodietus 1 ♀ at 1.

Barichneumon lactatorius 1 ♀.

Promethes sulcator? a small dark ♂ at 2.

7.8.41, cont. Landerstown Ho., S.E., KD.

Mesochorus 1 ♂ at 2. *M.?* small ♂ at 3, at 3.

M. alatus 1 ♂ at 4. *M. alatus* 1 ♂ at 3.

Tomostethus 1 ♂ at 3, at 3.

Perilissus 1 ♂ at 4, dark legs.

Phyllocnistis 1 ♂ at 3, dark legs.

Campepox 1 ♂ at 4: not kept: at 4.

Meloboris spp. frequent at 1, 2 & 3: kept 3 only.

M. ♂ at 2. *M.* at 2.

M. ♀ at 2.

Mesochorus several: not kept.

Bracon *concolor*? 1 ♂ at 2, at 2.

Phygadeuon *irregularis* 1 ♀ at 1.

Chimantus *variegator* ♂ at 4.

Apanteles *fulvipes* 1 ♂ at 3.

Microplitis *medicorum* ♀ at 1, ♂ at 3.

Metacoelus *subulatus*? 1 ♀ at 3. *subulatus*? ♂ at 3. *subulatus*? ♂ at 3.

M. subulatus? 1 ♂ at 3. *M. subulatus*? ♂ at 3.

Macrocentrus *abdominalis* 1 ♂ at 2. *abdominalis* ♂ at 2.

Opius *circularis* 1 ♂ 1 ♀, very large at 3 (at 2 kept).

2 small ♀ at 4 (not kept).

7841, cont. Landerstown, N.J., KD., cont.

Macrocampa nimia n. sp. G. magnificent ♂, with very dark wings, swept in swamp filled drain separating 3 from 4. at first thought to be *nimia* but then considered to be *picinervis* until examined on return home. [The specimen sent a present to G. E. J. Nixon in April 1942! A.W.S.]

Ph. eugenia. G. splendid ♂, swept on edge of canal at W end of belt of reeds, at 2, ant. 53

Dacnusa pubescens 100.

D. albata n. sp. ♂ at 3, ant. 20: [specimen properly 'ANS. 1945']

See

Coelinius n. sp. 100, swept at 3, near drain separating 3 from 4: ant. 40.

Toxares debilis 19 at 4, ant. 19.

Praon n. sp. ♂ at 4, ant. 22.

Aphidius n. sp. 100 seen; not kept.

Proctos. only 3 or 4 seen all day; kept 1 for 1, 2 for 2 & 1 for 3.

= *Pteromalus* n. sp. ♂ at 1.

Diaproph. *Carthra grandis* seen twice, at 2 & 4.
Small *Pupa anglica* swept at 2: dark brown pro.

10th Aug. 1941. A dull day, with misty showers about noon - shelter, with E-W-W. wind on the plain, after a very hot day on 9th. Went to canal at Lincip station, a type, later joined by J. G. J. Palmer, who came to see *Bombus sylvarum*.

Royal Canal, Lincip, G. KD.

1 = from road to Rye Water, NW of canal.

2 = along canal & corn field, W of Louisa Bridge.

3 = well-enclosed plantation 1/2 mile W of Louisa Bridge.

4 = canal side 1/2 mile further W. than 3: only 2 or 3 taken here.

Bombus sylvarum 9/10 frequent at 2, a few at 3.

& one fresh ♀ seen by Palmer. *B. terrestris* ♂ at 2.

Bombus agrorum, *terrestris*, *lapidarius*, *terrestris*.

lucorum & *terrestris* (♂♂) also seen.

Pentapleura n. sp. ♂ at 2, *P. distans* ♂ at 3.

P. confinis dark & pale var. 2 ♂♂, seen.

Mellicope n. sp. 1 ♀ seen at 2.

Anteon ♂ at 3.

C. ♀ at 3.

1000
Swifts left us on night of 8th or 9th Aug. just! 2 or 3 seen near Lincip.

10 & 41, cont. Linslip, KD., cont.
Tenthredella pubescens? very abundant, ♂♂ + ♀♀.
Athalia sp. seen at 3.

Allectus ciliatus? 1 ♀ at 4.

Trachusa sp. ♂ at 1, ♂ at 1.

Ischnura elegans ♂ at 1, with black markings.

"*Heliconia*" *xanthomus*? ♂, black & yellow; var. *flavipes* Grun? at 1.

Diachasma pumila ♀ at 3. 3. of small ♂ at 3.

Phaenocarpa tuberosa ♂ at 2, ♀ at 3.

St. fulva ♂ at 1, ♂ at 1.

Stilpna 2 ♀♀ at 3.

Atractodes ♀ at 1. ♂ at 1.

about a dozen other *Crataegus* not kept.

Pimpla variabilis 1 black ♀, ♂ at 1.

Cylloceria quadruncula ♀ at 1.

Exochus nigroventralis? ♀ at 2, small & black.

E. hyperboreus & *E. hyperboreus*? ♂ at 3.

Proctos ♂ at 1.

Acronyctus sp. ♂ at 1, ♂ at 1.

10 & 41, cont. Linslip, KD., cont.

Exochus sp. ♂ at 1, ♂ at 1, including *Exochus* ♂ at 2.

Exochus ♂ at 1, ♂ at 1, ♂ at 1, ♂ at 1.

Exochus ♂ at 1, ♂ at 1, ♂ at 1, ♂ at 1.

Exochus ♂ at 1, ♂ at 1, ♂ at 1, ♂ at 1.

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Exochus ♂ at 1, ♂ at 1, ♂ at 1, ♂ at 1.

Exochus ♂ at 1, ♂ at 1, ♂ at 1, ♂ at 1.

10.8.41, cont. Linslip, KD. cont.

Dacnusa telaris 1 ♀ taken with smoker at 1,
(? on leaf of *Eupatorium*).

D. areolaris & *pulsatrix* examined: not kept.

D. bellina ♂♂ at 3. *D. aphanta* ♂ at 3 at 23.

D. pubescens ♂♂ & ♀♀, small ♂ at 4, & ♀ at 4 = 23. 8.41.

D. cf. ? a dark ♂ at 3, 5th leg. kept.

1 ♂ of *D. areolaris* taken at 1; not kept.

Praon volucre ♀ at 2, not kept.

Aphidius pavenonum? ♀ at 3, not kept.

Proctos. only 2 or 3 & none kept.

Aeschna grandis very large, flying over canal at 3.

14th August 1941. A very fine day, though mostly dull, with occasional hot sunbursts & gentle W. breeze, after a hot gale & much heavy rain on 13th. Bees, surprisingly common, especially so on flat open ground at head of the upper reservoir.

Glenasmole, Co. Du., 11.30 AM - 6.30 PM.

1 = under trees near hut by lower reservoir & along edge of lake. 11.30 AM to 1.0.

2 = flat at head of upper reservoir. 1.0 to 2.30.

3 = edge of upper reservoir. Here boat house is. 2.30 to 4.15.

4 = down after dam, around "tunnel" & down to pond, under trees to footbridge & back to upper dam by the main path. 5.0 to 6.30.

Bombus lucorum ♂♂ & ♀♀.

B. terrestris 1 or 2 ♂♂ only.

B. hortorum ♀♀. *B. lapidarius* ♂♂ & ♀♀ common.

B. agrorum & *muscorum* common.

B. descurtator with large ♀♀ or small ♀♀ at 3.

B. jonellus 1 ♀ on lower strip at 2.

B. distinguendus ♂♂, ♀♀ & one large ♀ on lower strip at 2.

Psithyrus barbutellus 1 ♂ swept at 4.

Mellicope arvensis 1 ♀ swept at 3.

Vespa sylvestris & *norvegica* ♂♂ common on *Angelica* at 2.

Anteon 1 ♂ at 4.

mostly on lower strip at 2, where bumble in great variety & abundance.

148 41, cont. Glenasmole, Du. cont.
Leptoda subflava & *pubescens* ? seen. 1 ♀ kept =
T. livida 10 at.
Athalia seen.
Botanophila pubescens 1 ♀ seen on *Equisetum* at 2.
Hemiteles *crucis* 1 ♀ at 2. (not kept)
Stenomacrus *marginatus* 1 ♀ on *Equisetum* & *Stachys*, 1 at 4, near *Stachys*.
Amelastegia *exilis* ? 1 at 4.
Stenobothrus *caudatus* 1 at 2 on *Angelica*.
Schneuwia 1 at 2.
E. latipes 1 at 2.
Stenobothrus 1 at 2. (not kept)

Anthylus *submarginatus* 1 ♀ on *Angelica* at 2.
G. scutellariifraga 100 taken, another seen with last, at 2.

Phaenocarpa *phthalma* 1 ♀ at 2; another at 3.
Epitoma *pygmaea* 1 large ♀ at 1.
Tryphon 100 frequent, 2 ♀♀ seen on *Stachys* kept: -
Stenocranus *pubescens* 1 ♀ at 2. *Monticola* ? 1 ♀ on *Stachys* at 2.
Hemiteles ? 1 ♀ on *Stachys* at 2. (not kept).
H. 1 ♀ at 4, *Stachys*, *Stachys* ? *H. nigriventris* ? 1 ♀ at 4.
H. 1 at 4, at 2. *Pogonocherus* 1 at 4.

148 41, cont. Glenasmole, Du., cont.
 [No *Pimpla* seen all day.] *Dacnusa* *pubescens* 1 at 2.
Glypta *vestralis* 100 & 4 ♀♀ frequent: no other *G.* seen.
"Polyphincta" *medialis* 1 ♀ = *Acrotaphus* ? seen at 2.
Leucospis *bellator* 100 & 4 ♀♀ frequent.
Banchus *monticola* 1 ♀ at 2, another seen on *Angelica*.
Euclyptus *guttatorius* on *Angelica* at 2.
Stenomacrus *marginatus* 1 at 1, 1 at 2, 1 at 4 kept.
Mesochorus *agniparvus* 1 ♀ at 1 & 4, not kept.
Polyblastus *uschi* 2 ♀♀ at 1, 1 carrying larva.
Microgaster *pubescens* 1 at 2 & 4 very common this morning.
Exochus ? 1 at 4, not kept = *Exochus* *pubescens*.
Phaenocarpa *phthalma* 1 at 2, not kept.
Zostropus *insipidus* 1 at 2.
Promethes *coarctatus* 100: not kept. } No *Exochus* & *Banchus* seen all day!
Homocidus *biguttatus* 1 at 2.

[No *Stenomacrus*, a *Orthocentrus* seen]
Onychophanta ? 1 on *Stachys* 1 ♀ at 2, at 3.
Syrphoctonus 1 at 2.
Malobius 100: not kept.
 Several other *Camptoplegid* seen, but my pen & ink were kept.

Plectiscus 1 at 1. *P.* 1 at 4.
 at 2. 1 at 2.

14 & 41, cont. Glenasmole, Du., cont.

Bracon ... at 2 ...
Chalcid ... at 1 ...

Chrysis nigricornis 3000 at 4, ant. 42, 43, 44, 45.

R. tricolor 399 ... seen ...
 end of date 4: on big tree ...
 then gave off a strong ...

[No *Apanteles* seen all day]

Microgaster ruficornis 1 only at 2.

M. ruficornis 1 only at 2.

M. ruficornis 1 only at 2.

M. ruficornis 1 only at 2.

Pygostolus vitellus 1 at 1.

Stenomacrus ... at 3, ant. 21.

B. p. ... 1 at 3, ant. 20.

Opius ... 1 at 1, ant. 20.

Opius ... 1 at 1, ant. 20.

Phaenocarpa pallipes 1 only at 4, below ...

14 & 41, cont. Glenasmole, Du., cont.

Adelius ... at 1.

Phaenocarpa pallipes 1 only at 1.

Orthostigma ... at 1, ant. 20.

Aspilota ... at 1, ant. 20.

A. ... at 1, ant. 20.

A. ... at 1, ant. 20.

A. ... at 1, ant. 20.

A. ... at 1, ant. 20.

Dacnusa ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

D. ... at 1, ant. 20.

14. 8. 41, cont. Glencasmole, Du., cont.
Prion *rubra* 275 at 10.4. at 11.5. at 12.5.

Aphidius off *Malv* 300 4. & none left.

Proctos. none & nearly all left in following:
 6 from 1; 1 from 2; & 3 from 4.

Erythroneura 1 from 1.

Stethorus *lucicola*

Ten. diplosa (at 2.2) 5

SWIFTS. After disappearing on 8th or 9th, some birds
 appeared to come back again & soon one Dublin
 & Blackthorn, 31. in small party, screaming,
 on 20th date from 10th to 20th included.

20th Aug. 1941. 6 per day, owing to frequent
 showers, after heavy rain the previous night
 & clearing days for a week. W. wind rather strong.
 Went by bus (with cycling) to Naas & rode to
 Landerstown on Grand Canal, as before, Co. KD.
 Arrived there at 12.15, everything very wet after
 shower & kept wet by frequent showers, left at
 3 P.M. & 3.30 P.M. two drizzling showers indeed
 all collecting, so had tea at Bigby Bridge
 & left there about 4.40 & got home (on bike) at
 5.50.

Landerstown, Co. KD.

1. Sifted along canal side & parallel drain between
 canal (S. side) & plantation belt, 1/4 mile east of L. W.
2. Canal side between plantation & Landerstown House gate.
3. Hayfield, 0.5 S. of road & plantation, S of 1.

Bombus agrorum a few faded ♂ & ♀ only

Psithyrus superciliosus, several ♂ & ♀ along canal.

P. campestris & *herbertus* (or *distans*?) ♂ & ♀ seen.

Nomada regulata 9 swept, off mint (?), by canal at 1.

Crabro rufus ♂ & ♀ watched on *Angelica* at 3,

♂ on his back, but not in act, spent time vigorously
 stroking his eye (or face) with his fore legs, & every

20.8.41, cont. Landinstown, Co. KD. cont.
 near the gas hi rings & lugg.
Craus chrysanthemum ♀ seen on same flower.
C. leucostomum ? seen on stump clay, drain at 3.

Tenthredo mutilata ♂♂ & ♀♀ frequent at 2.
T. sulphurea ? or *perkinsi* ? abundant, not examined.
Adeltopis not examined.
Trichocentrus ? ♂ at 2, or *Syrphoctonus* = *Pomphilius* ?
Pomphilius myrmecophilus ♂ at 2.
Schizura off black & yellow ♂♂ frequent: not taken.

Cynipid ♂ at 3, not kept.
Cryptus at 1 & 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
Pezomachus frontalis (not kept). ♂ 1 ♀ at 3.
Stenomacrus ♂♂ (not kept).
Atractodes 1 ♀ at 1.
Hemiteles ♂ 1 ♀, not kept, not kept.
H. ♂ 1 ♀, not kept, not kept. } all at 3.
H. ♂ 1 ♀, not kept, not kept.
Pimpla flavicollis 1 ♂ at 3, not kept.
Exochus ♂♂ & ♀♀, not kept.
Leucospis ♂♂ & ♀♀, not kept.

20.8.41, cont. Landinstown, Co. KD. cont.
Stenomacrus ♂♂ & ♀♀ (not kept).
Pezomachus ♂ 1 ♀, not kept. *Pezomachus* ♂♂ & ♀♀, not kept.
Stenomacrus ♂♂ & ♀♀, not kept.
Polyblastus ♂♂ & ♀♀, not kept.
Exochus ♂♂ & ♀♀, not kept.
Homocidus tricolor 1 ♂ at 3, possibly a *Exochus*.
H. pallipes 1 ♀.
H. elegans ? 1 ♀.
Promethes laticeps, *repens* & *donatus* ♂♂ at 3.

Helorus ♂ at 1 & 2 (not kept).
Oncophanes ♂ 1 ♀ at 2, not kept.
Leptopygus longus ? 1 ♀ at 3, not kept.
Acrotaphus ♂♂ & ♀♀, not kept.
Brachymeria ♂♂ & ♀♀, not kept.
Rhyssalus tricolor 1 ♀ at 3, not kept.
R. ♂♂ & ♀♀, not kept.
Microgaster ♂♂ & ♀♀, not kept.
Apanteles fulvipes 1 ♀ at 3, not kept.

21st 24th Aug. 1941. Garden, 14 Clareville Rd., Dublin
Swift seen on 21st & 2 about certainly seen at 10.40 AM
 at low end of Westfield Rd. by Eving & myself, but
 too far away to be quite sure, on 24th.
Bombus lucorum very on Knapsand on 24th.
B. lucorum on Knapsand on 24th.
B. lucorum & *terrestris* pair of on Knapsand at 8 PM on 22nd
 & 2 on 24th at noon.
B. agrorum & *lapidarius* taken 3rd & 4th on 24th.
B. muscorum 1st on Knapsand on 24th.
Psithyrus laticollis on Knapsand on 24th.
Helictes calceatus very abundant on 22nd & 24th.
H. leucopus 1 seen on 24th.
H. maculipes very abundant on 22nd & 24th
 at Knapsand, but not seen on 24th.
Chalcid common & pair collected of on 22nd & 24th,
 about 1 second kind, 2nd to *clavipes* on 24th.
C. leucostoma very & pair of 24th on 24th, common.
Pimpla lugubris? Several taken on 24th
 as well as one of the smaller species, but not caught & examined.
Atalapha Several seen of sp.? on 24th.
Stenobothrus octopus 19 on 24th.
Chalcid for *Stenobothrus*? on 24th, out 26.

24th Aug. 1941. Garden, 14 Clareville Rd., Du., cont.
 All taken taken on forenoon of 24th.
Cryptus several seen on 24th - kept only 1.
 - *lucorum*?
Pimpla defecator 19. *P. insularis* on 24th, seen.
P. defecator? 20 on 24th.
Homocidus *gracilis* very common & kept 2 mounted - common.
H. pulcher very common on 24th.
Stenobothrus on 24th but not kept.
Chalcid? 19, out 25.
Agropyga? on 24th, kept, & 28th mounted.
Exochus *fulvipes*? 1 on 24th, examined.
Brachymeria 14, of which *Brachymeria* seen on 24th & 28th.
Apanteles glomeratus several on 24th, kept 1.
Cynipis. The usual sp., with stalked abdomen, at least.
 24-8-41, aft. Garden, 14 Clareville Rd., Du., cont.
 No *Vespa* seen in garden on the morning nor for several weeks
 previous, though some were seen on the 24th & 25th, but 3rd & 4th of *V. vulgaris* came through window during dinner.
Odynerus parietum 19 caught at 5.30 PM.
 Wall Butterfly 1 seen at 2 PM.
 24.8.41. Cont. over &

30.8.41, cont. Killa Lagan, W.M. cont.

Athalia cordata, black spin. ball tubes, 1♀.

Tenthris exilis 1♀

Ichneumon latrator? 1♀ [1♂ not with tube off Veld Annot]

Exochus maculatus? 1♀.

Atractodes 1♀

& 2 other *brythia* 1♀

Leucospa bellator & 1♂ (not with tube off) 1♀.

Chorinotus fumatus 1♀.

Perithous cognatus 1♀.

Bassus areolaris 1♀.

Tryphon elongatus 1♀.

Chorebus areolaris 1♂ in field.

Campoplex 1♀, not with tube.

Campoplex 1♂, 1♀.

Meteorus 1♀.

Dacnusa sp. 1♀. 1♂ (not with tube).

1♂ (not with tube).

Evening 8.15-8.30 P.M. Took 7 *Perithous* *medialis* at road stump just outside hotel gate (with maker) at Old Road.

31.8.41

1st Sept. 1941 (Sunday) A misty day. Off shore at 1.30 p.m. : very mild with gentle W. wind.

insects numerous. Spent forenoon with two school Wallace boys in garden & swept very rich with maker, later walked over hills & round by heath & so home. Lots of *Dalea* in flower everywhere.

Garden, Old Road Hotel Co. W.M. 11-1 P.M.

Exochus leucotomus 1♀, many. Stationed at fly.

(Saw 1♂), then none.

6 *Ichneumon* & probably 6 *varius* seen.

Bombus lucorum, *terrestris* seen.

[3 *Apanteles*, *monilis* & *janellus* seen on hills]

Cryptine 7 seen.

Pimpla tenebricola group 2♀♀. 1 mounted = 1♀, 1♀.

Perithous pulchellus 1♂.

Apanteles 1♀, not 33.

Apanteles 1

Bracon areolaris 2 large 1♂.

Opius *monticola* sp. n. 1♀. Type! NYS 30.1.1941.

Pentapleura fuliginosa 1♂.

Dacnusa pubescens 1♀. In garden, 1♂ & 1♀ seen, on 1♂ in garden & 1♀.

31.8.41
 1.9.41, afternoon. Woods behind hotel, Old Head,
 Swift in a few places along top of hayfield (9 NM)
 & in yard above same. Some vegetation dry after
 a shower between 1.30 & 3.0 PM.

Schizura laticincta?

Stenobothrus ? 1 Black ♂.

Phaeogenes pictus ? 1 ♀.

Euphydryas 5 seen.

Lissonota bellator 2 ♂♂.

L. larator ? 1 ♂.

Mesoleid 1 red ♂ =

Camptopogon 1 ♀ =

Leptopygus leucopus ? 1 ♂.

Macrocercus thersites 1 ♂, 1 ♀.

Blacus ruficornis 1 ♂, 1 ♀.

Opius 5 seen, including *O. irregularis*, only 1 specimen mounted!

O. areolaris ? 1 ♂, and 2 ♀, *O. sternalis* seen, mounted.

Phaenocarpa confusoides ? 1 ♂. 1 ♂ not mounted.

Selimus nigriventris 1 ♀.

31.8.41

1.9.41, P.M. cont. Woods, Old Head, W.M., cont.
Aspilota 4 seen. (3 mounted) = *A. quercus* 3 seen, 1 ♂, 2 ♀♀.

Dacnusa stramineipes 2 large ♂♂, only 1 ♂♂ 25.

D. areolaris ? 1 ♀.

D. bellina ? 2 ♀♀.

D. divinator 5 (♂♂ & ♀♀) with very red abd.

D. areolaris group ? 1

Chorebus ruficornis 2 ♀♀.

Aphidius 2 seen.

Proctos 3, (1 not mounted!)

Chalcids 3.

2nd Sept. 1941. A drizzly day, when fine after 10 a.m. with rain at night & at intervals. Road to Dooaptry at N. entrance to Killary Harbour, about 12 miles, in thick drizzle & rain. After lunch walked across road to upper end of Dooaptry house but collecting by sweeping practically impossible owing to rain.

Dooaptry Co. W.M. (2.0 to 5.30 PM)
Bombus lapidarius ♀ seen on road
B. agrorum seen *Halictus pygmaeus* ♂
Tenthredo crenata ♀♀: ♂♂
Cryptus sp. 3 ♂♂: ♂♂
Cryptus sp. 2 ♂♂: ♂♂
Oncophanes sp. ♂♂: ♂♂
Oncophanes sp. ♀, at 35 =
Oncophanes sp. ♂, at 27 =
Oncophanes sp. ♂, given to G. H. H.
Oncophanes sp. ♂ =
Oncophanes sp. ♂ =

2 Sept. 1941 =

2nd Sept. 1941. A very fine day, & mostly all sunny after 11 AM, with fresh westerly breeze. Spent morning on cliffs, & afternoon in wood on hill (= 1, 2 & 3 respectively), Old Head, Co. W.M.

Bombus lucorum ♂♂ & ♀♀. Taken at 1.
B. agrorum ♂♂ & ♀♀.
B. muscorum ♂ at 3 in apt.
Colletes maculatus seen under tunnel on top of cliffs at 1, loaded with white (being?) pollen.
Halictus rubicundus ♂♂ = dozen at bank at 1.
Meloboris armatus ♀♀ at 1, & at 2.
Salix exaltata at bank at 1 & 2.
Pygmaea nigripes & *pygmaea* ♀♀ common.
Lasius niger ♀♀

Taken at 2.
Cratichneumon ? 2 ♂♂, 1 ♀ at 2. *Schneumon* yellow, 1 ♂ at 2.
Schneumon near *leukus* ? 1 ♂ at 2.
Dacnusa ? 1 ♀ at 2.
Cryptus 5 at 2.

Dacnusa
phalaena ♂♂
phalaena ♂♂
phalaena ♂♂

Taken at 2.

2. 9. 41, cont. Old Head, W.M., cont.

Pemphigus ventellianus 10, 12 at 2, very light colored.*P. pubescens* 5 at 2*P. cognatus* ? 1 large at 2*Orthocentrus* ? 2 at 2*Phytomyza* ? 2 at 2*Brachymeria* ? 10 at 2*Colletes bicolor* 3 at 2.*Chalcid* ? 10 at 2*Zab. testaceus* 10 at 2.*Opius* aff. 10, 12 at 2.*Adelius sylviae* & *flaviventris* 10 each at 2*C. filipes* aff. about edge at 2.*Dacnusa longiradicis* very common, over 99 at 2.*D. lutea* ? 10 at 2.*D. areolaris* ? over 100 at 2.*D. aphanta* ? at 2*D. bellina* ? 10 at 2*D. affinis* ? 10 at 2.

2. 9. 41, cont. Old Head, W.M. cont.

Aphidius spp. 20 at 2.*Pteris* very common

Taken at 3.

Trichogramma 12*Ligotaphus caudatus* 12

Beetle: slender black of 99 at 2.

A few other spp. taken in other parts of 2 and mixed with those from heather slope.

74
3

4th Sept. 1941. A most lovely day, with cool W breeze & very hot sun. Rode on bike up valley of the Burnam & then walked over moor to Lug-a-v-Braun (i.e. the large stream of Praeger!), with John Barber, a ^{chemistry student} & a ^{son of the friend of Capt. Collins} (named Hen Collins) & two of the Wallace boys (Alec & Bingo), to help John Barber search for fern & to look for alpine records of R. L. Praeger from cliffs above the farm. Left bike at 12 noon & reached farm before 2 P.M. There had lunch, after lunch walked up cliffs from above SW end of farm track to east end of highest cliff (N. 2 1/2 miles). Had afternoon tea & then below farm ~~at 4 P.M.~~ & left home at 10 minutes to six & reached hotel at 7.20 P.M.

Plants in town consisted of Scilla & Epipactis (? retusa), with a few scraps of Callitriche seen whilst I evidently walked in. Plants on cliffs included Thalictrum alpinum in great abundance, Gentiana verna, Aspidistra, Saxifraga alpina, Carex sp., Briza media, Saxifraga nivalis, Sax. stellata, Plantago maritima (very abundant), Beach Fern, fragaria, Asplenium viride (plant Barber).

all of them

Saxifraga alpina

75

3

4.9.41, cont. Lug-a-v-Braun, W.M. cont. Holly Fern (H. lucida) is only small plant (Barber) & Cystopteris fragilis rare, Barra-vodisi, Poa sp. & pulicaria. No Vaccinium, no Empetrum & very little Calluna on cliffs, but very common plant not noted above.

Did not collect Hymenoptera, but a few beetles collected & there are no doubt common if looked for -

<u>Nebria pygmaea</u>	} <u>Scilla</u> & <u>Epipactis</u> common
<u>Notiophilus</u>	
<u>Othius</u> sp.	} all given to E.O. Moberg!
<u>O. flavus</u>	
<u>Othius</u> sp.	

4th Sept. 1941. Another equally fine day & all
morning, but strong E. wind.

In evening, went round cliffs from garden &
saw or took some insects & such.

Cliffs, etc. near garden. Old Head to N.M.
Bombus agrorum, *terrestris* (100), *terrestris* & *terrestris* ^{247 taken, as usual, on 1st and 2nd hills lying to westward}
collected *terrestris* ♀♀ on top of *terrestris*
along cliffs.

Habitus ruber ♂♂. *Epheura hyalina* ♂♂.
Crabro chrysostoma sp. at bay on road. ^{also with *terrestris*}
Pemphredon lignator on stem of *Rosa Canadensis* ♀
taken on 3rd Aug. near hotel gate.

Meloboris communis ♀♀ frequent.
Odynerus pictus ♀♀ with red on vent. ^{seen on 1st hill}
bottom of stone at hotel gate.
Phygadeuon ♀ on top of cliffs. ^{seen on 1st hill}

Salix caudata taken by being carrying pollen.

Promethes repositus ♂. } Taken with *crabro* & *terrestris* in
Perilissus ? ♂ } garden at hotel before breakfast
Campoplex ♂ } about 9 AM

Pimpla flavicollis ♀ } Taken on window
Tropidocampa ♀ } hotel

4
5. 9. 41, 9 AM. cont. Old Head, cliffs, etc. N.M. cont.
Pteromalus red ♂, ? *terrestris* group

Tryphon several ♂♂, ^{one ♀, 1st hill, 1st hill}
^{seen on 1st hill, 1st hill}

Pimpla tenax group 1 ♂, small ♀, red-banded hind tibiae
Leucospis pallidus ♂ *Leucospis guttator* ? ♀
Homocidus pallipes ? 1 ♂, 2nd hill.

Stenomacrus flavipes ? 2 ♂♂ on edge of cliff, one just below
ant. 22 & 20, but *Stenomacrus* habitus! ^{seen on 1st hill}
Campoplex 1 ♀ =

Mesochorus *infernus* ♀, long tail, ant. 30.
Dacnusa *lacinipectus* or *crucians* ? 1 ♂, on stone near hotel.

Aphidius *crispatus* ♂, with *Phaenocarpa* *terrestris*, ant. 13.
Pimpla 1.

4th
5. 9. 41, afternoon, 4.0 till 6.15 P.M.

Swift in plantation in front of hotel & S.W. side

of garden -
1 = under tree on W. side of garden
2 = under tree on N. side of garden & along N. side
of potato-field S. of garden.

4
S. 9. 41, aft. cont. Old Head, W.M. cont.

Taken at station 1. (only, remember 2 there but they were 1/2 dead)

Melichneumon 100.

Heniteler apicatus ? 300.

Stilpnus gyalis ? 100.

13 other *Cryptinae*

Perilitus ? 200.

Bassus trineatus 1

Promethes sulcator 100.

P. cognatus 200 frequent.

P. pulchellus 100.

Blacus ruficornis ? or *tuberculatus* ? 200.

13 *Proctos* 100, ant. 19.

Opius sp. 2

Brachymeria carbonaria 100.

Alloea contracta 1

Adelius sylvia 100, 1 ♀.

Aspilota sp. 200.

Dacnusa adducta 100, 1 ♀.

D. areolaris 100.

D. hirsuta 100, ant. 30, very small, very young.

4
S. 9. 41, aft. cont. Old Head, W.M. cont.

Dacnusa bellina ? 100.

D. areolaris 1

D. longiradicis very common

D. areolaris ? frequent

D. affinis ? 100, 1 ♀, very small, ant. seg. 30, 31, 32.

Aphidius lacertosus 100.

Proctos of several.

Aphidius sp. 600.

Proctos about a dozen.

⁴
 5.9.41, aft. cont. Old Head, NM. cont.
Taken at station 2. [only 11 mounted - then put away 1.3.1942.]

Cryptus 6 or 7

Pimpla brevicornis 1 ♀

Acrodactyla dybowskii ? 1 ♀

Promethes cognatus 2 ♂♂

Colastes brevicornis 1 ♀

Blacus ruficornis or trifidus 3 or 4

Opius 3 or 4

Pentapleura pumilio 2 ♀♀

Phaenocarpa conspurcator 2 ♂♂, 1 ♀

Adelius sylvia

Aspilota about 2 dozen ♂♂ (no females) ^{only 2 mounted} noted -

A. f. minutus ? ♂, ant. 17.

A. (Spaldia) cf. indenticornis ♂, ant. 21, dark hind legs.

⁴
 5.9.41, aft. cont. Old Head, NM. cont.

Dacnusa adducta

D. aphanta

D. directa

D. longiradiata

D. areolaris

Coelinius - 2 Stijia ? 1 ♂, ant. 41.

Rasn

Aphidius

Praon

82

84

84 Sept 1941. A misty, very calm day, with
slight shower in afternoon - wind E in morning,
but SW after shower. Sunday (a nice) flat fog.
In morning, rode towards 500 Langh, but as
the bad roads turned back about 2 miles N. of lake.
Did not collect till afternoon.

In late afternoon (5.0 till 6.30) swept corner of stream on
N. side of field in front of hotel, at foot of hay-field.

Oct Head, G. W. M.

Psittacus distinctus 100 on the ground.

Cryptus 7-8.

From the hotel 10.0 to 1.0 (1941)

Linaria comitatus 1♀ *Lamprole* 1♂

Hemiteles pubescens 100.

Promethes indicatus, *pubescens* & *agrestis*

Pimpla

Chalcid

Camptopoma 2-3.

83

84

84 Sept 11, 1941. Oct Head, G. W. M. cont.

Phaga

Blacus

Opium *sculptatus* 100, 4♀

0

0

Diadema *carbonaria* 10.

Phaenocarpa *trivialis* 100, 4♀.

Adelius *flaviventris* 2

Pentapleura *pumilio* 1♀

[Not a single *Amphibia* ?]

Dacnusa *adducta*, *aphanta*, *longicauda*, *pallens*,
areolaris 3 *divinella* (common).

0 of 3

Ant *stigmatica* 10.

Chalcid *capitata* 100, 4♀.

Proctos

6th

7th Sept. 1941. A perfect day, all sunny, but
faintly throughout & the mountains were visible;
wind E in morning but W in afternoon.

In morning rode along old road
running in valley SW of Broadpatent,
past Bouris Nat. school to foot of
the pass where stopped a few minutes &
returned for lunch. On my back I had
up till just S. of cross roads at Old Head,
took a *Cyrtus flavipennis*. The morning in that road.

In afternoon walked up & cliffs & came & took
a small ♀ *Boche* on top of cliffs & ^{on my back} *Boche* ^{on my back}
for which I went between road & cliffs.

Later went across water field to edge of
of main road on Black Hill, & on my back
about a dozen ticks & collected 7 ^{black} *Bromus latipes*
larvae on birch & 3 ♀ *Chrysomelids* (1 on *Bromus*
cutworm etc) which was interesting, at the, but
although I stayed for some time, made no attempt
to descend in the [only I went to a tree
at 11.15 AM on 19.4.41]

Larva rufa 1 ♀, in grass, on cliffs.
Formica fusca abundant in road & in ditches
in various places.

6
7.9.41. 4th Sept. cont.

- Hemiteles* 1 ♀, on 20, large, with abd.
- Phytodietus* 1 ♀
- Mesochorus*
- Chrysomelids* 1 ♀, at base of *Bromus*
- Promethes sulcator* 2 ♂♂ & ♀.
- P. dorsalis* 1 ♂.
- Zorotypus "m. pini"* 3 ♂♂ & ♀
- Hemiteles pulchellus* 1 ♂.
- Hemiteles* 1 ♂, 2 ♂♂, 1 ♀.
- Apanteles* 1 ♂, 1 ♀ (1 ♂ on 1st of Old Head)
- Mesochorus tubicola* 1 ♂, 1 ♀, in 1st of Old Head
- Blacus pygmaeus* 1 ♂, 1 ♀, possibly at edge of *Bromus*
- Adelius flaviventris* 1 ♂, 1 ♀.
- Bromus longiradicis* several
- B. adductus* 1 ♂.
- Proctos* 3 spp. (1 on 1st of Old Head)
- Samolys parasita*. On 19.8.1942 a red *Bromus* was found
(just emerged) in pot. But had lost the *Bromus*
larvae referred to on opposite page. The larva
to be *Bromus polygama* Steph. or *Bromus* (sp. sp.)

5.9.41, cont. Dooaghly, WM, cont.

Promethes pulchellus 2.

Homocidus postulator 1 ♀ swept off *Praon*.

H. bicolor 1 small ♂, ant. 20.

H. signatus ♂ & ♀

H. elegans 1 fine ♂.

H. signatus red ♂.

Empididae small 4 ♀.

Chrysopa immature 2 ♂♂ (3 locs) swept from dunes.

Microplitis small ♂ (3 locs).

Apanteles fulvipes ? 2 on dunes.

Centistes 1 ♂, 1 ♀ at tunnel place.

Diastoma areolaris sp. ♂ & ♀ on dunes: Type 'ANS' 2.2.1941.

near B. summit but scattered to be seen & 2 specimens of red ♂, short.

Dacnusa 200 ♂, 1 ♀, on dunes, off *Praon*.

very thick, ant. 21, 22 & 23, new shining white, but legs reddish, 1 ♂ & 1 ♀.

Praon quadrangulum ♂ & ♀ on *Praon* 2 ♂ & 1 ♀.

Aphidius of *cinereus* ♂ & ♀ on *Praon* 2 ♂ & 1 ♀. Red ♂ on ground.

All well from *Aphidius*: here also, *Dacnusa*.

the presence of so many *Braconids* on dunes.

A *Bracon* ♂, ant. 16, black legs.

Exochus ♂, same as *Praon* on dunes.

9.11 Sept 1941. A fine day, but on all the previous week my visit to the mountains inevitable or nearly so & the summit cloud-capped.

Did not collect in morning, but after lunch took our tea with us & rode to "The Six Mile Strand" at Lough Shan & walked dunes & marsh between that lough & L. Ballygally south of it, till 6.20 PM.

Roonah district, Co. NM.

1 = dunes N. of road to coast & between road & L. Shan.

2 = dunes S. of road to coast & between road & L. Ballygally.

3 = Sea-filled marsh at NW corner of L. Ballygally.

Sea insects in plenty.

[NB. on *Praon areolaris* at Dooaghly on 5.9.41 great plenty of a pure *Aphidius* occurred, but at Roonah not a trace of this or to be seen & no *Exochus* & no pure *Braconids*.]

Bombus lapidarius ♂ & ♀ plentiful at 1.

9.9.41, cont. Roonal district, NM. cont.

Stenocranus ... at 2, ant 21.

Brachon ... 10, 299 (ant 34, 33+36), ...
... at 2, ant 29, ...

Microgaster cf. *globatus* or *subincompletus* 20 (ant 1, belly pale)
... at 1.

Pteronura ... 20 (ant 3, ant 27-28).

Dacnusa ... at 1, ant 29.

Chalcid ♀ at 1, long tibiae, ant. ...

10th Sept. 1941. A very fine day, at 5th bridge.
Rode to Killybegs & had lunch 1/2 mile E of Bannahugh,
then returned to woods at Dalphee Lodge, Bannagh & for
insects at N. end of hill woods; turned E at foot of
Doo Lough of Glenamara to Turnyard Lough
& over the hill to Glenlaura & Sheffry Bridge. Above
last valley, on S. side & facing NE is a significant
series of cliffs. Road seems well worth visiting.
After tea near Sheffry Bridge rode down to Oad Head
via Drumahaire & Bannagh nat. reserve. The route
by Doo Lough & up Glenamara & over hill
to Sheffry Bridge very bad, with loose stones,
& not fit for a car. Rainy, however, very
fine.
Butterfly. Saw a Red Admiral at ha. place, above
Sheffry Bridge.
Bombus muscorum ♂ & ♀♀ seen by roadside.
B. agrorum seen.

Orthocentrus cf. *caudatus* 1 ♀, ant 19.
Leptocryptus ...
Stilpnus ...
Chalcid ...

29.9.41 cont. - Bally, L. NM cont.
Hemiteles sp. 1 ♂
Stenomacrus *maculatus* 1 ♂, pale 1 ♂, 1 ♀
 found on 29.9.41 & for some time previously
Polyblastus 1 ♀
Opius "apiculator" 2 ♂♂, 1 ♀
Pentapleura *pumilio* 1 ♀
Phaenocarpa *compuncta* 1 ♀, style, rather dark
Aspilota 1 ♂

Proctos - 2

Blgg. 6 very small ♀ removed on a twig
 above Killary where we had lunch
 = none other seen
 seen on left Duffin

Grasshoppers (*Meconothus* *gossu* L.)

2 taken on twig by road at top of hill N of
 Tawnyard Lough & being reported to me
 found a pair grasshoppers which made a slow
 tick-tick sound at lunch - possibly the
 species, but not certain

11th Sept. 1941. A misty & drizzly day & everything so
 wet that all collecting except with the machine quite
 impossible. But set up out till after lunch. Then
 spent 1 1/2 hours in woods on S.E. slope of Black
 Hill collecting with machine. Later explored
 top of same hill, where on S & E slopes are nice
 birch glades above the main woods.

Woods on S.E. slope of Black Hill, Old Head, N.M.

Brachymeria *maculata* 2 1 ♀, also 2 ♂♂ (1 same sp.)
Ichneumon *viridis* 2, 1 black ♂
Phaenocarpa 2, 1 red ♀

only 2 seen till 2.30 PM
 then 1 ♂ & 1 ♀

Euclyptus 1 ♂
Leptocryptus *serenus* 1 ♂
Microplitis 1 ♂
Aspilota *pumilio* 1 ♂
Barichneumon *caesus* 1 ♂
Proctos *signatus* 1 ♂
P. palustris 1 ♂
P. laticinctus 1 ♂
Microplitis 1 ♂

Stenomacrus *maculatus* 3 ♂♂, all very pale

12.9.41 (2) Birch scrub, Black Hills, C. W.M. cont.

Stenomacrus

Euclyptus *fulva* 1♂ 1♀

Microchloa

Camptopleura 5 or 6

Plectroscia 3 or 4

Helictes? 4 or 5

Bracon discoides? 2♀

Chalcid breconius 3 or 4 large ♀♀

Meteorus 1♂

Chalcidion 1♀ *Gnamptodon punctatus* 1♀

Chalcidion 1♂

Proctos 1♀

Aspilota 1♂

Dacnusa pubescens 2♀♀

12.9.41 (2) cont. Birch scrub, Black Hills, W.M. cont.
Proctos.

Chalcid 1♂ pretty ♀ mounted.

[Hemiptera taken at Old Head during trip but not dated, e.g. *Polysiphonia*,
Elasmotettix sp., *Coranthus* sp.]

13th Sept. 1941. A most perfect day, nearly all sunny, with gentle S.W. breeze & comparatively dry air; hardly any mist on hills & even the summit of Mynydd at times clear of mist.

Rode, with - Hills (stop at hotel), to Darnley - Daisy not to go with. Collected a little above S. road to point, & for an hour on dunes S.W. of Darnley bog, where *Panurginus* looked with *hirsutus* & consequently many *Bombus* taken as on 8th inst.

Darnley, C.W.M.

[21 mounted & then
[at any 6.2 1/44
1942]

Bombus lapidarius 1♂ 1♀ seen.

B. muscorum 1♂ & others seen.

B. agrorum 1♀ seen.

13.9.41 cont. Dooaghly, W.M., cont.

Bombus lucorum 2000

Verpa sp. 3 An undoubted wasp came flying round me along S. bank, then I ran in behind for it & so did not catch it. I could not identify it, but its general colour suggested wasps rather than vespers though I have not seen wasps in it district.

Wasp seen at Old Wood - 1942
H.V.S.

Odynerus trispicatus 9 taken on S. bank & other seen collecting mud in several places. So late & date suggests a second brood, but wings were very tattered. *Crabro palustris* 2 taken on wall at end of road when system left.

Eptenura pygmaea 100.

Cryptine 8 specimens, including single *Phygadeuon* sp. taken on clay bank just above tide - 2 of which

Phygadeuon *pubescens* 4

Microgaster 2 of which 1 of which 2 of which

13.9.41, cont. Dooaghly, W.M., cont.

Chrysobothris 19 caught with hand while working sandy dune on the high cliff.

Pimpla brevis 100

Proctos *dentata* 19, with unusually exposed etc.

Bombus lucorum 19

Homocidus ornatus 2 large 99.

H. signatus 100

H. pubescens 2 99, one rather dark

H. signatus 200 99

Chrysobothris 3000.

Microgaster 100

Brachymeria *cyathostoma* ? 200 99 (1100000 384 99)

one 4.11.41, the other 4.11.41

Microgaster 200 99: one 10, one 7.11.41. (For other see 10.11.41. 10.11.41. 10.11.41.)

Chrysobothris *pubescens* 4 99: see also 10.11.41.

14.9.41, cont. - Woods, Oed Head, W.M., cont.
 Proctos. 12 spec. 4.5 spp. (Saw 1 sp.!)
 2 mounted!

Phryganea plicata 1♀

Leptocryptus elongatus 2 imm. ♀♀

Hemiteles 1♀

Tryphon 10♂, ant. 25 = *Tryphon* 20

Pimpla bimaculata group 1♀ = *P. flavipes*?

Exochus of *Exochus* 2♀ 1♀

Stenomacrus "truncatus" 1 large ♀

Promethes *scutellatus* 2♀♀

Mesochorus 1♀, ant. 23

Polyblastus pyramidalis 1♀, carrying the egg

Stenomacrus *ventralis* 3♀♀, two yellowish and one
 pale with the head smaller & darker.

S. rufus 1♀, ant. 21

Campoplegid 4♀♀ (3 mounted) =

Campoplex? 1♀, pale, 2♀♀, ant. 26

C. 2♀♀, ant. 29. Dark brown, ant. 28 & 29.

14.9.41 cont. Woods, Oed Head, W.M. cont.

Parabatus virgatus 1♀, (ant. 21), ant. 25.

Mesochorus 2♀, ant. 24.

Platygaster 1♀, ant. 24.5, ant. 20.

P. 1♀, ant. 24.5, ant. 20.

Spilostethus 1♀, ant. 24.5, ant. 20.5, ant. 20.5.

15th Sept 1941. A fine day but dull, with drizzle
 all over central plain in evening & through which
 our train ran from Bantulbar to Mullingar, but no
 rain at Westport where our train left at 4.50 &
 none in Dublin, where we arrived about 1 P.M., having
 been kept at Mullingar to wait for the Sligo connection
 & eventually sent on without its passengers [Next day
 I am told the Sligo passengers reached Dublin at 4 P.M.].
 It is stated that these delays are due to "saving" coal, but
 when the "saving" comes in I can't say & the Mayo &
 Galway portions of the train were going up to time till
 Mullingar was reached.

Did not collect during the day!

END OF MAYO TRIP: Sept. 1941.

16th Sept. 1941. A fine day, but mainly dull
with occasional drizzly-mist, just like what
we had so much of in May.

Garden, 14 Clareville Rd., Harold's Cross, DU.
Stenomacrus debilis ♀, running about on moss in
soup-plate in which grow *Pinguicula grandiflora*.
This plate had been in garden since I was
in Mayo.

Mesochorus

1♀

[*Apanteles tenuicornis* Nixon. 1 dead ♀ found at window in bathroom!]

Bombus agrorum. The only aculeate seen in
garden, except an unidentified *Vespa*.

17th Sept. 1941. A very fine, warm day with
much hot sun. In evening ^(7.0 P.M.) I found a winged
♀ *Ponera punctatissima* crawled up in a clean
handkerchief which had been washed this day
& hung out in the garden today with the rest
of the washing. There is no evidence, however,
whether it got onto the handkerchief in the
garden or in the kitchen. This ant has not
before been recorded from Ireland!

Beating in the garden about 10 P.M. produced

17.9.41, cont. Garden, 14 Clareville Rd., DU., cont.
one cynipid (), one ich (*Hemiteles*
leucogaster?) & several chalcids; a small *Leptocryptus*,
snails & dozen of *Oniscus asellus* & *Porcellio*
scaber, but no more ants.

18.9.1941. Taken on kitchen window at 9 P.M. (mostly brought
in, I think, on beating-tray, the previous night):—
Hemiteles areator 3 ♀♀. *Cryptinid* ♀ =
& 1 *Plectiscus* = *Plectiscus* sp. *turicatus* var. ♂

Taken by E. O'Mahony, at light in Lanes, Clontarf,
Co. Dub., while down on Holiday (i.e. 1st - 17th Sept.).

Mesochorus sculptor? 1♀.

Sigalphus caudatus 1♀

Homocidus testatorum ♀.

20th Sept. 1941. Taken on my window in
Museum, Dublin.

Sigalphus floricola? 1♀, with sculptured 3rd segment.

All the above labelled
& put away
27/9/42
D.H.

21st Sept. 1941. A dry, mainly dull day, though
sunny in late afternoon — too late to turn
things up — with a chilly E breeze. Not an
ideal day for these sciences, except when
sun first came out, but this did not last
& the insects seemed to rather disquieted, except
Stenomacrus ventralis & the ones of Ostionella
radiata (?). Rode to top of upper meadow
in Glen Lough & then walked up to the gorge
of the Slade Brook, ca 1000-1200 ft. alt.
Arrived there at 12.30 noon & left about 5 P.M.
Did not collect otherwise.

Slade Brook, Glenasmole, Co. DU.

Benth. upon frequent.

[20 specimens mounted & then
labelled & put away 7.2.49.
R.W.S.]

SB. Lucerna 1 large & seen in bog.

B. jonellus ♀ (or ? B. lintoni, small) seen in gorge.

(Fresh burrows of aculeates seen on old mine maps
below gorge, but none seen flying!)

21. 9. 41, cont. Slade Brook, DU, cont.

Schrencken deliratorum 3 $\frac{1}{4}$ or twice: dark var.

Purple heron 1/2

21. 9. 41, cont. Slade Brook, DV. cont.
Sawfly larvae. *Hemodes crenata*

Phryganidia (?) larvae in great abundance (dozen
of families) on hazel: some of a larger size
but none had in earlier years.

Pteronidea (?) larvae on *Salix cauta*, green, spotted.

Pteronidea (?) 3 large spotted larvae on birch (last
of family?)

Cimex (?) One large, another smaller larvae on
birch, with dark line down back.

Trichosoma (?) One large all green larvae on birch.
(Then sent 3 larvae brought home & cleared out
on birch in garden!)

The other larvae on birch & some of them on *Salix*
& Hazel also brought home.

Also brought & sent to M.S.D. Westroff the following
larvae off birch:—

- Notodonta camelinea* 2 larvae
 - Distenia* 5 or 6 larvae
 - Geometrid* 1 on birch
 - Donneria* 1
- all 4 species occurred on 1 birch tree with the large *Cimex*

How the parts containing the larvae of these species were brought to the garden (1941) 2. 10. 41

From the garden to the garden (1941) 2. 10. 41

24th Sept. 1941. The third very hot & fine day, with
all sunny in afternoon with southerly breeze at Bladellin
but Easterly in Dublin - a very soft day, with
temperature down each day since 21st but no rain.
In afternoon rode to Bladellin & spent a
couple of hours collecting along side of canal
about 1/4 mile above Bladellin bridge & 1/2 mile
above locks, just above entrance to farm on S. of
canal, as before. Most insects swept along
parallel drain in shelter of hedge & all W. of
gate to farm.

Bladellin, Co. DU. [27 insects mounted
then labelled
2. 10. 41 M.S.]

[No list of vol. I or vol. III seen]
Cynipidae: about half a dozen only taken, including
Atractodes trichosoma, *Stygobromus* small black ♀,
superficially very like *Bicinctus punctatus*, but small & body
Microgaster ♀, ant. 22. *Microgaster* ♂, ant. 22.
Microgaster ♂, ant. 22. *Microgaster* ♂, ant. 22.
Microgaster ♂, ant. 22. *Microgaster* ♂, ant. 22.

Ponetha cognatus 1 ♀. the only *Ponetha* seen!
Chrysomelids *aurifrons* 4, both ♂ & ♀.
Polyblastus red of black hind femora, 1 ♂, 1 ♀, both left.

24.9.41, cont. Clondalkin, DU, cont.

Mesochorus 1 ♀, not kept.

Campoplegid 1 ♂ and 1 ♀ seen = *Dacnusa* and *Exochus*

Microgaster 2 ♂♂, 1 ♀, small, red-brown

Cephus cf. *fulvipes* group, short tibiae,
dusky apex to hind tibiae.

Meloboris *cruciatellus* 2 ♀♀ frequent - 3 mounted.

Blacus *tripudians* 2 ♂♂, 1 ♀, not kept.

Opius *irregularis* several, not kept.

O. ramosus 1 ♀, not kept.

O. cf. *lucorum* var. with dark stigma, 1 ♀, not kept.

O. cf. *sericans*, var. with all black, 1 ♂, 1 ♀, not kept.

Pentapleura *argutula* 1 ♂, 1 ♀ (1 mounted, 1 not)

P. punctata 1 ♀.

Adelius *flaviventris* 2 ♂♂, 2 ♀♀.

Phaenocarpa *pruinosa* 2 ♂♂.

Ph. conspurcator 1 ♂, 2 ♀♀.

Aspilota: *impressus* only 1 ♀ taken, rather small.

A. ruficornis Stiller 1 ♂, 1 ♀, propodeum rather small.

24.9.41, cont. Clondalkin, DU, cont.

Dacnusa *stramineipes* 1 small ♀, not kept.

D. pubescens, *areolaris*, *maculipes*, *affinis*, *testis*,
gilvipes, & *aphanta* all examined, but not kept.

D. affinis 2 ♂♂, 1 ♀, not kept.

D. leptogaster 1 ♂, not kept.

D. areolaris 2 ♀♀, not kept.

D. postica 1 ♀, not mounted, 1 ♂, 1 ♀, not kept.

D. erosa 1 small ♀, not kept.

Chorebus *coarctatus* 2 ♂♂, very common.

Praon 1

Ephedrus *plagiator* 1 ♂

Aphidius about a dozen, only kept one.

A. pumilus Hal. 1 ♂, 1 ♀, not kept.

Proctos. scarce: none kept.

Cynipid 1 =

♂ Mosquito with long palps =

Taken by E. O'Mahony at roots of grass (*Poa*) or *N. Ball*, Clondalkin,
on evening of 26th Sept. 1941

= *Phaenocarpa*

4 ♀♀.

28th Sept. 1941. A very fine day, nearly all sunny & sun very hot, with cool fresh SW. wind, after several warm damp days with low barometer. Did not go out in forenoon as heavy rain on previous day had left everything too wet. In afternoon rode to Glensmole (where arrived about 3 P.M.) & having explored at foot of lower dam crossed dam & went along top of 1st count, round which collected for a couple of hours. Butterflies much in evidence on vegetation & the few flowers left, but hymenoptera scarce, other than Bees.

Glensmole, Co. Du.

Top of count at E. side of lower reservoir.

Butterflies.

Clouded yellow 1 or seen twice (or two specimens?) & watched by Daisy seeking flowers of Bird-foot Trefoil, which it alone visited.

Red Admiral one seen only

Small Tortoiseshell (common), Peacock (several)

Speckled Wood (1), Wall (several), Common Blue (several very common).

Bombus agrorum 4/4

B. muscorum 1 large or (or 4)

[Bombus hortorum: very fresh or seen in garden, 14 Glenville Rd, at noon]

28/9/41, cont. - Glensmole, Du., cont.

Bombus lapidarius 1 or 2 4/4

B. lucorum many large or

B. terrestris 1 or examined: quite black face.

Penthyon ca-penthyon several dark or

Halictus altipes & caerulea: I think or of both seen.

Atractodes or Euclyptus or, ant. 22 =

Acanthomyia quadrispinosa 1 or.

Limonia lineata 1 or, yellow feet, or.

Mesoleius 1 or

Campoplegid 2 4/4 - 1 or 2

Rogas or encyrtid 5 or 6, ant. 25.

Aspilota mixta 1 or, ant. 17, pale legs, apex small but red in

Gasterus mixta? 1 or, ant. 22, small, ant. 22, ant. 25.

D. areolaris 1 or examined, probably the 1 or.

Aphidius 1 or, ant. 12, blackish legs.

Proctos. 4

1st to 5th Oct. 1941.

Weather not so good, cooler, with some rain. Had R.C. Farin staying for night of 1st & spent time going over saplings, his & mine, & having had a most successful season & added quite a few to Jack List. Not out in the field during week. On duty in museum on Sunday 8th. so rode to Phoenix Park in morning & spent 7 1/2 hours running over area above pond in the Fairy Glen, where saw nearly a dozen Jays & many crows (no doubt *V. vulgaris*).

1. 10. 41. *Picula* at 7 P.M. = *merula* } to garden, 14 Glenville

2. 10. 41. *Stenomacrus ocellipes* ♀ at 1 P.M. } at Harold's Cross, Co. Dub.

3. 10. 41. *Pimpla viridis* ♀ found stuck to front panel of back door.

8th Oct 1941. A warm soft day, with rain at times, with some very hot sun in between. Wind South or S.W. In afternoon rode to head of upper reservoir in Glencastle, DU & went up Glade Brook to gorge at 1,000 ft. to get more sculpin larvae in Hazel & found these nearly full grown. Kept about a dozen of the largest & sent some to R.C. Farin to see if he can breed them, as I have had

8. 10. 41, cont. Glade Brook, DU, cont.

no luck with the species so far. Only did a little collecting, & sent all snail off bird bander river. Being reported that looked like a 1st *Bombus lucorum* with conation or stony stream in gorge, but I saw no *Bombus*. *Salix* of ? large black & yellow or seen. *I. delinatorum*? 1 ♀ seen in latter.

Cryptus 3 ♀♀, found at ?

Stenomacrus ventralis 2 ♂♂ & ♀♀ in proportion in latter, mostly in bird.

Orthocentrus ♂, ant. 25, small mould.

Theridion ♀, ant. 25.

Helicoverpa large ♂, ant. 31.

Proctos 4

Helicoverpa 1

9. 10. 41. *Helicoverpa* taken at night at 10 P.M. in house, 14 Glenville, DU. Harold's Cross, Co. Dub. D. N. S.

12.10.41 afternoon.

Swifts made or off trees at foot of Downy, Co. WI.
[18 insects mounted & three labelled & put in - 18.10.41 (1941)]

Hemiteles

♂, ant. 21.

Basus laticinctus 1 large ♀

Stenomacrus laticinctus 2 ♀♀

Apanteles

♂, ant. 21, with 20 segments

Pentaneura

♂, ant. 21

P.

2 ♀♀, probably same as last ant.

P.

1 large ♀, ant. 21

Chelonus cf. laticinctus ♀, ant. 21

Aspilota cf. ruficornis ♂, ant. 22.

Dacnusa areolaris ♂, ant. 22, with faint sternal "T" but not
able to see if same as
one from 12.10.41 (1941)

Proctos 3.

Cynipids 2.

15th Oct 1941. After a dry cold night & dull morning, became
gradually brighter & the heavy rain & strong gale
from SE in evening.

At 9.0 AM (summer time) when crossing St. Stephen's Green,
Dublin, saw a Bombyx lucorum (I think a ♂) fly
hurtle, from Bally to Bally, although the hot
sun was on & the night had been very cold,
with several showers. The previous day & 13th very
wet & cold.

19th Oct 1941. A very mild day, with much hot sun &
no rain till evening, but half-a-gale of wind (W).

In afternoon rode to Saggart & up the west side
of the Slade, now to a large extent ruined as it is
used as a motor cycle training centre by the Army
as well as the "crack-riders" & the east side of
it all ploughed up by these armies. Some of the eastern
side is still fairly good. Swept for a few
minutes along stream & on top of bank (W. side) just
above where old coach road joins that from Saggart
& found insects very plentiful, but only kept
about a dozen, the others put in paper.

Tortoise-moths 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

19. 10. 41, cont. Slade of Saggart, DU., cont.
Bombus lucorum ♂ seen on way above Saggart.
 [B. agrorum ♂ several times seen in garden,
 14 Clarendon Rd., DU. in forenoon!]

Vespa (no doubt *vulgaris*) seen in glen & at
 various places along road from Dublin.

D. caelator ? red off. 2♂♂ [insects mounted & then labelled 15/10/41]

D. pumilus 1♀

Atractodes ? 1♀ and ♂

Polybia *gagalis* ♀♀: not mounted.

Pezomachus rufipes ? ♀♀ seen: not mounted.

Lophocryptus 1♀ not mounted.

Alonotus ♂, yellow ventral: not mounted.

Stenomacrus *ventralis* var. ♂♀. *S. ruficornis* ♂♂: not mounted.

Campoplegid ♂♂: 1♀ mounted.

Plectiscus ♂, ant. 20. ♂♀ [insects mounted & then labelled 15/10/41]

Aspilota *albipennis* ? ♂ and ♂♀: not mounted.

Proctos *fulvipes* ? 1♀, ant. 19.

19. 10. 41, cont. Slade of Saggart, DU., cont.
 between plates 7 & 19, ant. 21.

Quadrantia cf. *laevipennis* ♀♀ common.

Proctos *fulvipes*. 6 kept: =

20th Oct 1941. A fine sunny day! The ♂ *Bombus agrorum*
 again seen in garden, & quite busy on almost the last
 flowers of *Centauria rubra*: 14 Clarendon Rd., DU.

22nd Oct 1941. The third almost perfect autumn
 day in succession: nearly all sunny, with gentle breeze
 - N.W. breeze. In afternoon rode to Glenasmole & back
 west of path from Upper Du. towards Glenasmole
 school & along top of road & into the "cottage glade"
 now pretty overgrown & hardly accessible. Insects
 there & there, but few insects taken as only a few
 fine kept. Saw some *Vespa* & one small *Centauria*
rubra. [Insects mounted & then labelled 15/10/41]

21st Nov 1941. On way home to lunch, 12.00, I
 saw a Small Tortoiseshell butterfly
 flying freely, about Kenilworth Park.

22nd - 24th Nov 1941. Went & returned from
 R.C. Farin's place at Cranbury, near Epsom.
 Weather mostly wet & mild, but did not see
 any butterflies, though I saw a wasp just
 as we came out of Broadway station on 23rd at
 2.45 P.M. Took 105 of his wasps "lost" to
 Farin to copy & spent some time going over some
 of his samples & other insects.

Dec. 1941. Bad weather, especially at week-end, prevented
 anything but short walks about Rotherham & The Dodder
 until 10th, when we took bus to Broom's Barn &
 walked up the road past R.C. Chapel to Glemworth
 school, down to Upper den & back to bus stop
 near water. On way had stopped for a few minutes in
 shelter 200 yards below Moore's & took 4 ticks
 with me, mainly about on trunk of some under trees.
 On 14th Dec. Potamogeton pycnanthus seen in flower
 at Templeogue Bridge, though not out here 2 weeks
 earlier.

On 3rd Dec. a wasp seen in Glemworth Lane, but
 none seen later when I was there.

On 10th Hazel & catkins almost out at foot of
 Glemworth & probably some out in places if we had
 had time to look for them.

10th Dec. 1941. Glemworth, Co. Du.

On trunk of tree, 200 yards below Moore's house, under trees.
 Very mild, S.W. wind, strong, before depression & heavy rain
 later.

Colletes maculosa ♀

Heriades ♀

Pagrus ♂

Dec. 1941. Weather continued mild till 14th after which
 with slight frost some nights at end of month, but
 no remarkable weather & no real winter.

1942.

January opened mild like December, but between 1st & 20th there were several hard frosts or frosty nights, with intervals wet or very fine sunny days & only one day on which it froze throughout the day. C. 12th, snow on the hills at times, but all gone by 14th when on a very fine day we took 2 hrs. to Old Park & walked up E. side of Glenasmole to the school & down past Mrs. Sault's to upper dam & back to bus. On way down saw ♂ Hazel in flower just above Mrs. Boylan, but had not time to stop & look for ♀ flowers. Neither had I time to look for any hyacinths. Much rain follows the date of 6.20. Snow thaws. The early plant that had flowered in 1940 & 1941 did not appear this year & it was not till Jan 20th that a bud appeared behind the main window, but the bud got open on 23rd. Daisy reported a snowdrop out in Highfield St. Dublin, before Xmas. On 24th Jan. the snowdrops were out & a few days later Robert believed to be the early one actually appeared & flowered.

Looser below. On 25th there was one flower on plant by road & stream between Rathfarnham, Co. Dub. & the Narrow Water.

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1st or 1st Feb there were 3 flowers on same plant.

Although England had experienced very cold weather & heavy snow during the 1st 3 weeks of January we had no snow in Dublin & only a few frosts & light rain, only one of which froze the canal, while snow only lay intermittently even on the higher hills.

February 1942. After much wet & alternately mild & colder weather the glass began to rise about 12th Feb. & a dry, westerly gale set in, mainly due to westerly winds. On 16th the wind was southerly or SE & still cold, with much snow on the day. The first of the old Snowdrops under dining room window in front garden flowered & on the same day the first ^{yellow} crocus was full to front gate flowered; *Law. speculata* & *S. aff.* both well on but no flowers. ^{The small variety of *Scilla maritima* at back door opened its flowers about 12th. 15th but did not open till 20th. It is a very fine flower & very new & very old.} Cold winds from E & very dry continued until 21st when snow began to fall, this increased on 22nd when it fell to steady all day, but a burst of hot sun & wind of the previous evening melted it during the afternoon; later on 22nd snow again fell heavily so that by evening of 23rd there was several inches over everything & roads dangerous throughout, by mid-afternoon however had nearly melted it & exposed the roads. Barometer fell from 17th to 22nd & did not begin to rise till the 23rd. Buds on *Sax. aff.* (Bromwich plant) ready to open on 22nd before snow fell.

25th-26th Feb. 1942. Both most perfect days, all sunny & no wind, after frosty nights. On 25th the snow which fell on 23rd having mostly melted & thus leaving very little snow, the first buds of *Samolus* & *Sax. oppositifolia* - first garden snow on 26th the first flowers appeared on a *Scilla* plant on E. side of back garden.

On 25th we went by 2.10 bus to Bodmin & walked up road from R.C. Chapel to Glasnost station on E. side of valley & home through water-courses. Except on small peering banks the snow still lay 2 to 3 inches thick & the *Lox* reservoir quite frozen over. Balmis 4.45. 20 PM. no longer on ice on the above peering yet upper than & admitted the river in perfect comfort being in full view & thus being no wind. Except in the N.E. corner, where is said, there was no ice on the upper reservoir.

28th Feb. 1942. A white snow-flower appeared amongst the yellow by path to front gate & by 7th March there were three of them, the first we had seen in a while one here before!

3rd-4th March. Very mild with very hot sun both days, but on afternoon of 4th a depression approaching, with heavy rain at night.

5th-6th March. Breeze of snow fell all day on 5th & it was very cold, with E-SE wind. By daylight there was some snow lying & by midday several inches even in town.

then set in an evening, then & by sunrise the roads were clear of snow & everything dripping, but about 7 PM a sudden hard frost set in & lasted all night - a very hard frost indeed - but but some on 7th remained remains of snow on low ground & a very heavy rain that night removed it from all but the higher hills.

4th March 1942. Saw *Colletes* & *Proctos* at Glasnost, below Mr. Douglas's house.

8th March 1942. One flower on Alder tree in Highfield Rd., Ballygar & one flower on plant of *Sax. oppositifolia* west of house in front garden.

10th March 1942. Day with heavy cold E. wind & fog, yet in spite of this saw an entire slug (*Agriolimax* var. *lilacina*) & a *Proctos* (black caterpillar under *Helianthus* leaves) in front garden. Also a *Helix* (small) & a *Colletes*.

11th March 1942. Purple Crocus by path to front gate up & in flower after frost night, although *Agriolimax* caterpillar on 8th & 9th & on 9th & 10th with ^{just some flying or just} but probably overcast. Still rain & damp & E. wind.

12th. Saw *Colletes* for the first time in a Widdington House.

14th. 6 flowers on Alder tree at N. end of Widdington, Collette, Collette Farm, 200 yds from Widdington.

15th March 1942. Dull day, but with 3-4, drizzle all day. *Silene acaulis* & *Silene* in garden with other plants. Went by 2.15 pm bus to Bala and home & walked up to upper dam & back by 2.20 pm, by which time the sky was almost all blue & sun very hot. No *Bombus* out before upper dam & no others out. No bees seen by roadside edge of water in clackhills where the clay is very soft & sticky after the rain.

On return home found the first flower of *Chionodoxa* out, against house wall, & very other plants blue.

Brought one sick or larval fly round along house reservoir in Glencade = *Aspilota* of some sort & a most unexpected first sick of the season!

17th March 1942. A beautiful mild day with much sun (and rays) from SE to SW, but no rain. At 3 PM saw a Small Tortoiseshell Butterfly flitting about Kildare St. & Henry Place seen in garden, by Harold St., by both facing & myself. Glencade offshoot of *Sax. oppositifolia* with first flower about open. *Slay track* (or *H. repens*?) on front path in morning & 1st. *rears* in back garden moved to summer greenhouse on wall & shrubs &c. Daffodils well out.

18th March 1942. The fourth & fine day of March, but very cold & sheltered, not much sun after rain. Went by 2.15 pm bus to Old Bess & walked up Glencade to upper dam & back by 2.25 pm for home. When passing lower Bala-mabron R.P. Chapel heard one first Chiff-chaff & noted while it sang 3 times (from the place), but no proof that there were two birds singing. No heard in Glencade on return home. While waiting for bus at 6.20 pm, & looking at sun set, a pair of Sand Martins (or 2 Swallows) crossed my line of sight & I noted them banking high ^{above} the Dodder for some minutes until we had to enter the bus. Owing to the birds several hundred yards away & against the setting sun it was not possible for me to say what species, but from locality & flight I believe they were Sand Martins.

Had a little sweeping & other of *Diptera*, *Coleoptera* & *Hymenoptera* in the garden. The only *Hymenoptera* taken in all the garden just before Moore's house, where a 4 *Agonochora* (or *Agonochora*?) were found running on leaf of *Rhododendron* in very up.

In front garden, on return home, noted that white crocus under front dining room window was out & first flower of white *Hyacinth* out near Hall Door.

[At 9 PM on the day a Hooded Crow flew over garden from direction of Mt. Argus, an unusual visitor to Harold's Green.]

1942

21st March 1942. A lovely day, nearly all day sunny, but some E breeze.
At 11.40 in back garden. Being surprised at the number of bees on Salix catkins, first place to which at Easter time I had
I named it, then going on to see the same I note the
species. A Small Tortoiseshell butterfly arrived at
12.30. I saw a lot of the Small Tortoiseshell in afternoon.
2.30. Saw a lot of Bombus lucorum in flower in
the garden in the garden in
Kew with the other. Started to find out the
first daffodils, which had been about out for last few days, all
opened in the afternoon in back garden when the sun came out.

22nd. First flower of Flowering Currant in back garden
just along stamens (3 or 4) in the day, but in all
morning, with cold E breeze. Small Tortoiseshell again seen
at 4.30. Bombus lucorum on the Salix (off) catkins at
1.30 P.M. Primula nivalis (3) in front garden with
first flower open.

Took 2 P.M. bus to Bohemian & walked up Glenasmole,
across town down, along top of the country east of town, across
to upper lake & back by the stream to 6.5 P.M. bus home.

Andrena clarkella, many seen at 1.15 P.M. at side of
road where flood of 1931 swept the way: also seen at
6.15 P.M. flower, on path just S. of the road Salix
near of which was yet nearly in flower.

1942

42. 3. 1942. Glenasmole, Co. Du., cont.
Helicoverpa caterpillar on hotchpot flower in back
garden. Many seen in morning just about 6.15 P.M.
Flower & one Chrysochloa seen just above 10.30
P.M., but none seen at 11.30 P.M. & no
Hemiteles seen to day, though certainly seen
I say last night of the week (E.).

In the 2nd & 3rd count on E side of town near
Andrena apicalis seen & A. clarkella seen & 1
seen at the usual haunts, but no Homocidus seen.
These last haunts are rather damaged & some of
the plants are being cut by things out of
the ground, & some of the plants.

Bombus lucorum 1 seen in 3rd count. Watched
for some time during which it spent several minutes
at flower of which (Ulex europaeus) the only flower
available at this spot.

Pterodroma butterfly seen in 3rd count & two more
seen at right of old garden below upper dam. The
latter two were seen & faded.

Primula in flower in several places in back garden
& in the woods.
No perforatus Gynopis seen in wood.

- 19th April 1942. A dull day, with traces of sea-mist & N.E. wind: practically no sun all day. In afternoon drove to look on Royal Canal beyond (W. of) Linslip station, Co. KD., & walked back along canal to Louisa Bridge & then returned to car. Did a little sweep's along canal & tow-path, in fields between canal & road, as well as in enclosed plantation 1/4 mile E. of lock.

Royal Canal, W. of Linslip station, KD.

2-45-4-30.

Bombus terrestris ♀♀, several, seen.

B. lucorum 2 or 3 ♀♀.

2 or 3 *Cryptinae*.

Orthocentrus radiatus ♀: no doubt just out of hibernation.

Ch. p. flugid ♀.

Decemusa areolaris ♂♂ common, 1 per ♀♀.

D. maculipes ♂♂ & ♀♀ & possibly others.

Aphidius sp. ♂♂ & ♀♀.

Many small beetles: given to F. O'Mahony.

no sp. kept

20th April 1942. Black Currant bushes now in flower in back garden. *B. hortorum* ♀ seen at 1.30 P.M.

21st April 1942. First flower (2) on *Sorbus aucuparia* open in back garden. At 1.30 P.M. saw ♀ *Bombus lucorum* at black currant flowers & a fruit of the tree was running heavily on wall.

22nd April 1942. After a dull morning & fine afternoon with considerable sun & milder than the previous week & with less wind the ♀ still went.

Went by car in afternoon to Glenasmole & walked up west side & down east side of upper reservoir. Insects flat at top of reservoir but on way back swept trees of upper dam & taken some (22) but practically no sign of insects of *B. hortorum*.

Glenasmole, Co. Dub.

Bombus lucorum ♀♀ none seen at flower of *Sorbus aucuparia* as well as at willow & laurels.

B. terrestris 1 ♀ seen.

B. hortorum 1 ♀ seen.

B. lucorum 1 ♀ seen & flower of laurel.

Vespa rufa 2 or 3 ♀♀ seen.

V. vulgaris ♀ seen.

Small, like *Empis*, ♀ seen on rose-bush near J. Davis's house.

22/4/42 cont.

Glenasmole, Dub., cont.

Lupinus 2 seen - 1st

Pteronotus radiatus 1 at 2.

The whole of the field was Pteronotus all.

Dacnusa areolaris. Large ♂ & ♀ at 1, smaller

♂ & ♀ at 2. The small flying - dark-legged

fly, which may well be a distinct species or race.

D. longicauda ♂ at 2.

Pteronotus radiatus 1 at 2. 1st seen at 2.

Aph. 1st at 2.

23/4/42. Went with J. F. Mitchell & R. F. Tarrington to Portrane, Co. Dub., where on road just N. of Ardglass the fence had white & black bands with lines in the back parts of the "stiff" tubes and along coast. Very cold & dull, with E. wind. Spent 3 hours examining same & came away with many larval clips of tubes, some at least of which were human bones. Did not collect. At 4 P.M. on the day - Dublin at home in bed (with cold) but with a house & a man were lit up. Late night, with rain, though glass rising.

23rd & 24th/4/42. Cardamine fruticosa. Flowers open.

23rd. Orobanchaceae with first flower open on

24th. Three species of flowers on table this year.

24th April 1942. Got Empusa pennsylvanica (E. pennsylvanica) from one of several specimens given me in autumn of 1941 by A. H. G. Brown. Released it in garden in rain at 10 P.M. on 24th.

24th - 26th 1942. This consecutive range of 3 days very cold, with intense rain on afternoon of 26th & mostly all day on 26th. Did not go out at all on 26th (Sunday) in order for weather & had a sore throat.

26th April 1942. On this day found several Aphidius parvicornis had hatched from specimens found on cabbage leaves. And had been in my small-breeding boxes in motor house throughout the winter & since Oct. 1941. Five specimens in all (2 alive, 3 dead) were removed & mounted & proved to be as follows:-

Aphidius brassicae 15 specimens ♀, with 14 seg. antennae.

Praon sp. seen abjectum but antennae longer & more

slender & 1st tergite also distinctly more slender;

antennae of 20-seg. both 19-segmented & 2 24-seg. segmented,

17- & 18-segmented. Perhaps only a race of

P. abjectum but, I think, deserving of a name

for which I think Praon claris good enough

from class "a culinary vegetable". A.H.G. 27/4/42.

28th April 1942. Similar to all days of last week or at least since 24th. Strong cold to wind with intense sun after a dull morning.

Took first of these days leave on use of car with to go hidden on 1st May (patrol shortage). Drove to top of oak wood (Brambleburn) at Clara & after lunch walked down to river & spent a couple of hours collecting - sweeping sand willow, birch, & undergrowth, bushes, *Vaccinium* & a in a leaf - below the sand flat, that was, & between the foresting fence & the Brown River = 1. Later crossed fence & walked round the sand flat & the Brown de glade, but here trees, & some backwood & few insects taken; also collected a few things on way up wood from sand flat = 2.

Clara, Co. WI.

[20 insects mostly from 1
from 2 & 3
collected 16.4.42]

Bombus lucorum ♀♀ frequent.

B. agrorum several, but rare.

B. lapidarius 2♀♀, heavily laden with pollen from *Vaccinium*.

[*B. jonellus*: not a specimen seen, tho' the species is normally common here.]

Psithyrus 1♀ seen: ? *clavicornis*.

28. 4. 42, cont. Clara, Co. WI., cont.

Andrena fuffipes not common.

A. fuffipes 3 ♂♂ at 2.

[No ♀ *Andrena* seen.]

Homalictus maculicornis ♂♂ at sand flat.

Formica fusca & *Myrmica* spp. not common.

Lasius flavus & *L. niger*. The latter seen in trunk of semi-rotten fallen birch at 1.

Leptothorax curvispinosus: a very strong colony at other end of same fallen birch as *L. niger*.

[No sample taken & none seen at willows or birch.]

Dacnusa areolaris 2♀ at 2. 4th & 5th.

Exochus sp. ♂ at 1.

Pimpla defuncta 1 small ♀, 1st instar.

P. ♂ at 1. *P. ruficornis* (lat?) ♂ at 2.

Ichneumon seticornis: a nice ♀ at 1, which I then taken into the smoker gave out the usual *Pimpla* & *Tryphonid* taste. The only ♀ previously taken here was 5th June 1932.

Lissonota ♀ ♂.

Plectiscids: 5 or 6 - kept only 1 ♂ & 2 ♀♀ from 2.

28. 4. 42, cont. Clara, W.I., cont.

Eulophus fuscicornis 2 or 3 at 1.

Microleptus ♂ or ♀ in deep spots not kept.

Chrysomelids about a dozen, but kept only 1 specimen 12.1 pm.
= *Sagittaria* ♂ at 1.

♂ at 2.

Agropyron sp. The most common in the wood & about
Vaccinium not kept.

Beetles *variegata* *nigra*
Bethystris fuscicornis Hal. ♂ at 1, ant. 22.

Brachymeria ♂ or ♀ at 1.

Apanteles ♂ or ♀ at 1.

Exochus several ♀♀; not kept.

Euphorbia pulchra at 20. *Euphorbia* ♂ or ♀ at 20.

Microgaster *cyathus* 10 or 12 = *Exochus* ♂ or ♀ at 20; ant. 22.

Chrysomelids ♂ or ♀ at 20, not kept any more.

Opius of *hirsutus* ♂ or ♀ at 1, ant. 21; containing some

specimens of *Farrus* & from *Farrus*, ♂, ant. 26 very old.

Aspilota [not named] ♂ or ♀ *Orthocentrus* ♂ or ♀ at 20.

Proctos *longicauda* ♂ or ♀ *D. areolaris* frequent.

D. aphanta 10 [No *Dacnusa* named!]

Aspilota ♂ or ♀; not kept.

28. 4. 42, cont. Clara, W.I., cont.

Proctos 5 or 6: kept only 3 from 1 & 1 from 2 =

House Martins seen between Clara & Lough.

Holly Robin ♂ or ♀ frequent.

Speckled Wood ♂ or ♀ seen. Small Tortoiseshell (1) & Peacock.

Large green shield-bug, ♂ or ♀, ant. 1.

Some 7 or 8 beetle taken & given to O. Keating.

Small black hairy *Exochus* at 2 =

29th April 1942. A bitter cold day with some strong
E. wind & very little sun till afternoon & then only short
to high haze.

In afternoon drove to Powerscourt, Co. WI. Left
car at main entrance & spent a couple of hours along
the river below where road from house to waterfalls
meets river. Very few hymenoptera taken by sweeping.

Powerscourt Demesne, Co. WI.

Bombus lapidarius 1 ♀. [only 1 named, sent to O. Keating 17.5.42.]

B. lucorum several ♀♀.

B. agrorum 1 ♀.

29.4.42, cont. Pomeroy Farm, W.I., cont.
Pimpla flavicollis 109.

Phaenocarpa ♂, at 22.

Euphorus pallidicornis 1

Pimpla ♂♂, 109. *Apanteles* "Halt." 109.

Pimpla 200.

30th April, 1942. All hot sun, rain & cloud,
 with strong E. wind in morning, though the sun
 came in evening for the first time for nearly
 a fortnight.

Drove to George's Bridge, R. Slaney, Co. WI. &
 spent 3 hours at elbow of river above the bridge.
 There the only shelter was to be found. Here were
 many insects congregated, but chiefly ♂♂ of
Andrena, *Homocidus*, & *Ichneumon*. Vegetation
 very backward & most *Salix* without a leaf;
 blackthorn in full flower but no *Hoplocampa*
 seen on it. Toothwort in flower & *Geranium*
pilosum spikes just coming up.

Last day prints were allowed on road!

30.4.42, cont. George's Bridge, R. WI. cont.
Bombus lucorum ♀♀, not many; one seen evidently
 working flower of *Linum catharticum*, none seen at
 Blackthorn. [15 insects mounted & stored
 labelled 19.4.1942!]

B. agrorum 1 ♀ seen only.

Andrena albicans ♂♂ in hundreds, & 1 pair
 found ♀♀ seen.

A. aff. Other ♂♂ seen but not examined.

Halictus ♂♂ not examined, but *pygmaeus* &
leucopus clearly abundant, seen.

Homocidus ♂♂ in hundreds, many on them-
 selves on dead grass, sticks, etc.; probably mostly
fulvipes, but *nervosa* & *gordani* probably
 seen.

Salix fusca ♀♀ seen; one high up on blackthorn.

Dolichopus ♂♂, *pinus*, ♂♂, ♂♂.

Euphranta 2 ♂♂ at water's edge = cf. *tridens* ♂♂

Phaenocarpa pallidicornis 1 ♀. but not

Cryptus ♂♂ abundant, *sericeus* kept, & no ♀♀ seen.

Atractodes *terrestris* ♂♂.

Pimpla (*Epineura*) 2 ♂♂ =

Homocidus *cinctus* ♂♂ common at rose bank: no ♀♀.

H. obscurus 2 ♂♂.

H. pectoratorius ♂♂ common at Sycaamore (in leaf).

30 4. 42, cont. George's Bridge, Wt., cont.

Camptoplegid ♂♂: 1 from ♂: no ♀♀ seen. kept one

Sagittaria ♂♂, not kept

Pterodroma ♂♂, not kept

Apanteles fulvipes? & circumscriptus? 1 ♂ each

Dacnusa areolaris, laevifrons 1 ♀, later: 1 ♂

Aphidius 2 ♂♂, galeipes 3 ♀♀, longicauda 2 ♂♂

Aspilota nigriventris: 1 ♂ not kept

Praon volucre: 1 ♂, small: not kept

Ephedrus lucorum 1 ♀

Aphidius ♂ not kept

Praon: only 2

Butterflies. Orange Tip ♂♂ (248).

Wood White: 1 dead specimen taken from an ant
(7 p.m.) which was taken at home to rest on

W side of bridge.

Dragonfly: 1 ♂ red of. probably Pyrosoma nymphaeola

Colletes fragant

1st May 1942. The last wind having gone & replaced
by a N.W. breeze the sun in almost perfect day.
Large White Butterflies seen in various places between
Museum & Barnhill Rd.

3rd May 1942. All sunny, a sun the 2nd, still rather
E breeze. First flower in flower. Butterflies at back
gate opened. Also first flower in V. roseum
in back garden. On duty in morning & afternoon.

4th May 1942. At 11 A.M. saw the Swifts to day
over Little House & noted some for some minutes.
A very hot day with gentle E breeze in city, but
N.W. at Harold's Cross, from North to the direction
small clouds began to appear in the afternoon.
The first clouds to be in the city since 29th April.

5th May 1942. A few clouds, with strong S.W. wind;
quite a hot day & much softer than any previous day.
Temperature in my room in morning about 70° F. at
5 P.M., but on previous Monday (27th April) the room was
so cold that I had to get the fire lit. At 5.30 P.M.
in back garden saw *Psithyrus* *distans* ♀, *Bombus*
lapidarius ♀, *Odynerus pictus* ♂, very small, &
2 ex. of the *Narcissus* fly. Also several Swifts
heard screaming at 7 P.M. After lunch

98 May 1962. E. O'Hakony to 2 letters - St. Louis, Clontarf, N. Br.
the following hymenoptera - *Stenomacrus*, 1st inst. of ad. 26.
male. 9 ad. 25. *Macromacrus*, 1st inst. of ad. 26.
1st inst. of ad. 26 & 2nd inst. of ad. 26.

15th Mar, 1942

MAYO TRIP 1942.

20th May 1942. Left Dublin in drizzle by 10 AM. Train on Westland Road & arrived Westport at 6.15 P.M., unexpectedly early, as on several days previously train did not arrive till about 8 & on one day not till 3.20 A.M. next day.

Except the passing through Co. Roscommon, where there was much sun & blue sky, we passed from one locked gate to another, with heavy drizzles, caused by E. wind meeting variously directed westerly breezes. Heavy shower just before arrival at Westport & another after arrival at Old Head where we stayed in in Sept. 1941. Alan Walker drove us out & took Draining's bike & my bike, was ridden out by John Wherry of Enniscorthy, who with his friend "Bicky" Pilkington had been staying at Old Head for a week watching birds, of which the last seen 791(?) in vicinity of Old Head. They returned to Dublin the following morning.

On journey from Dublin saw Bombus agrorum & lucorum at Athlone, Co. WH. Saw two stopped before coming to R. Shannon & Bombus lapidarius at Knockree, Co. Roscommon. Diabroica already in flower on W. side of the "Little Hill" at Old Head.

21st May 1942. A fine morning with much sun & some bits of drizzle; in afternoon, mainly dull with sun being shown at 4 p.m. when wind turned from NW to SW.

In forenoon spent a couple of hours sweeping Salix by stream in front of hotel (=1) & later collected a few insects in shelter built in road at gate of hotel (=2).

In front of hotel, Old Head, Co. WH. 11.5 till 1.0 PM.
Atthalia lineolata 842? *Phaenocarpa* *viridis*? 1 ♂ on Salix at 1.
Chrysia debellator ♂ on Salix at 1.
Cryptus 10 ♂ at 1, 1 ♂ at 2.
Aspilota cf. *laticornis* ^{conspicuous triangular frons. file of J. Krombein, Sept. 1950!} ♂, yellow scutellum, on Salix at 1.
Bombus lucorum 2 ♀♀ at 1, ♂ at 2.
Bombus lucorum ♂ & ♀ at 1. *P. laticornis*? ♂ at 1.
Thynnus ♂ at 1. *Leptocryptus* *lucorum* ♂ at 1.
Cryptus 2 ♂ at 1.
Aspilota 2 ♀♀ at 1.
Meloboris ♂.

Anteon ♂ & ♀ at 1. *Anteon* ♂ at 2.
Aptelopus ♂ & ♀ at 1.

21.5 42, cont. Old Head, Co. WM., N.M. cont.

- Spontula imperator* ^{with} ♀ at 1; another at 2.
Meteorus ♂ at 1.
Euphorus ¹⁸⁻²² *fuscus* Hal. ♀ pale, ^{from the dry state, very} white at 1.
Phaenocarpa ruficornis ♂ at 1, a *Sialis* ♂ at 2.
Aspilota rufipes ♂ at 2.
Exochus *sticticus* ♂ at *Sialis* at 1.
Aphidius ♂ at *Sialis* at 1.

Rhyssalus clavator ♂ at 2.

21.5 42, P.M.

Words on E. side of "The Black Hill", Old Head,
 Co. NM. (mostly along road, the 1st road).

- Andrena albicans* ♀ } by road along road
Andrena fuscata ♀ } & towards N. cliff.
A. jacobae ♂ & ♀ in quarry N. of hill.
A. nigrescens ♂ & ♀ in quarry N. of hill.
A. hibernica ♂ *Vespa rufa* ♀, with *Andrena* *colona*.
Nemada goodeniana ♀ & ♂ in quarry with *Andrena* *colona*.
Formica *picea* ♀ near quarry.
Myrmica ruginodis ♀

21.5 42, P.M., cont. Word, ♂, Old Head, Co. NM. cont.

- Pachyschelus rufipes* ♀.
Selandria sericea ♂ in ditch above road.
Stenobothrus *albipennis* ♂ at 1.
Pentamerus ♂ & ♀ at *Sialis*.
P. ♂ & ♀ at *Sialis*.

- Cratichneumon* ♂ & ♀ common.
Barichneumon ♂ & ♀ *Barichneumon* *dimidiatus* ♀.
Pezomachus pubescens ♂ & ♀ *Smicrophilus lobatus* ♂ - P.M.
Cryptus ♂ & ♀ *Microgaster* ♂ & ♀ at 1.
Pimpla flavicollis ♂ & ♀ *Microgaster* *discolor* at *Sialis* just
Barichneumon *trivialis* ♂ & ♀ at 1.
Exochus *scutellator* ♂ at *Sialis* & at 2.
Homocidus putatorius ♂ *Polyblastus* *provincialis* ♂ & ♀
Pezomachus ♂ & ♀ *Exochus* *pallidus* ♂ at *Sialis* at 1.
Aspilota ♂ & ♀
Exochus ♂ & ♀
Exochus ♂ & ♀, about 1 dozen taken at 1 & 2.
Exochus ♂ & ♀, not kept.
Exochus ♂ & ♀, not kept, with 2 others, not kept.

22.5.42, AM. Edge of wood & stone, N. of
"Boat House" & Gully, Old Head, Co. WM.

Bombus lucorum, *agrorum* & *terrestris* (1 ♀)
Pentapleura tuberculata 1 ♀ at housework place
Andrena nigroparva 1 ♂ on 1st cliff.

Meloboris subimbricatus 9 on cliffs. [Only 6 mounted
& 3 labelled
22.5.42 HWC]

Homocidus 1 ♂ on 1st cliff.

Pamphidromus capensis 3 ♂, 1 ♂ on 1st cliff.

Centistes chrysanthus ♂ on log in wood.

Odynerus pictus 2 ♂, 1 ♂ on 1st cliff, on road.

Chrysis corbula 1 ♂, 1 ♀ (1 ♂) on 1st cliff.

Antennula 1 ♂

Femura fuscus, *lucorum* 1 ♂ (on 1st cliff) & *pygmaea* 1 ♂ on 1st cliff.

Small black wasp, 1 ♂, 1 ♀ on 1st cliff & 1st cliff.

Pentapleura 1 ♂ on 1st cliff.

Brachymeria 1 ♂ on 1st cliff.

Euclyptus 7, 1 ♂, 1 ♀ on 1st cliff.

Aphidius 1 ♂ = *Phaenocarpa galathea* ♂

Oenone 1 ♂

Euclyptus 2

Oenone 1 ♂

Euclyptus flavo-marginatus 1 ♂ on 1st cliff.
ant. 21.
Small *Euclyptus* 1 ♂ on 1st cliff.

22.5.42, AM, cont. Old Head, Co. WM, cont.

Euclyptus 1 ♂ on 1st cliff.

Pentapleura tuberculata 1 ♂ on 1st cliff.

Andrena 1 ♂

Camptopogon 1 ♂.

22.5.42 PM. Dunes at Carrigrohane (=1) & coast (=2)

West of dunes, near Carrigrohane, Co. WM.

3.30 till 6.0 PM.

Bombus lucorum 7 ♀ at holes on dunes.

B. lapidarius 1 ♂, 1 ♀, presumably all the species.

seen flying over dunes.

Apis mellifera 1 ♀, 1 ♂, abundant at holes on dunes.

Microgaster 1 ♂ on 1st cliff.

Camptopogon 1 ♂.

Microgaster 1 ♂ on 1st cliff.

Odynerus 1 ♂ on 1st cliff; 1 ♂ on 1st cliff.

Chrysis 1 ♂ on 1st cliff.

Aphidius 1 ♂ on 1st cliff.

24 5:42 (E) cont. Old Head, W.M. cont.

Taken at 1: cont.

Explains 2

Beetle about 1:30 pm not mounted

[Beetle discovered in dining room of hotel in evening]

Taken at 2

Saltfly dark wing ♀ = *Salix* latulata

Carabid (mounted) ♂ common taken at 1: not mounted

Crab spider ♂ not mounted

Phryganea fuliginosa ♀ not mounted

Exochus ♂ for some reason this was not taken

Baron tricornatus ♂ & ♀ these common

Cent. ♂ & ♀ = 2 not mounted

Adelognathus brevicornis ♀

Beetle ♂ & ♀ = 2 [one of them not mounted]

Pericoma osculator ♂ & ♀, black

Oenone 2 not mounted

Tricoma latulata ♂ ♀ small dark

Chalcid, long-tailed ♂ & ♀ not mounted

25th May 1942. A poor & wild day, with

17 hrs. shower (or thunder) at frequent intervals.

Set out about 11:30 am. Took to go to cliff, E of
Brunnin, at E. end of Deeply range, but after
reaching the foot of the pass behind trough
Patric decided not to proceed further. Left with
in cart. Went & explored slope at base of
Ben Goran - Broad Patric, where nothing of any
interest seen except *Saxifraga* in hollow
one gully to side & waterfalls. Returned to
Old Head about 5:30 & spent half an hour
in woods in marsh, etc., but took only two insects.
:- *Baron tricornatus* ♂ & *Hemiteles* *lyptus* ♂.

26th May 1942. An equally wild day with even

heavier shower, but some nice sunny intervals
in afternoon. Before afternoon walked along coast
E of mouth of the Burnon at Loughbeg,
where saw one patch of *Antennaria dioica* at
top of cliffs. Later walked round coast
of Old Head & saw *Eupatorium* *viperina* in
two places above cliffs. Donald Wallace
gave me a ♀ *Parabatus*
crustaceus taken under rock.
cf. *frankii* *Baron*

on border of forest by the sea. Beetle
escaping from high tide =

27th May, 1942. A fine morning with S.W. breeze & much sun, but immediately after lunch wind went S.E. till about 2.30 P.M.

In forenoon made a bike to R.C. chapel at Killybegs (1st) via Bannagh Beg, then across to Begganbane (on the Bannagh road) & home via Linnahugh. After lunch had only few minutes sweeping. Later a bird at top of field beyond stream in front of hotel before heavy rain stopped collecting. In evening walked to the railway post on Bannagh & back.

Old Head, Co. Wick 2.30 P.M.

Hemiteles ♂, ant. 20.

Pimpla similar? 1 ♀ swept off *Salix*, ant. 24.

Microgaster ♂, ant. 20.

Leptogaster autumn. ♀, ant. 22.

Conura ♂, ant. 22. 1 = ♂.

Aphidius sp. ♂, black, ant. 14.

In forenoon saw a ♀ *Bombus jonellus* & *Salix* ants 3 roadside just W. of Linnahugh & further south a ♀ flew across road which was with *B. distinguendus* or *B. muscorum*; I think the former.

28th May, 1942. A nice day with much hot sun, quite spoiled in afternoon by frequent heavy drizzle from S.W. morning collecting; after 2 P.M. quite fine. In forenoon collected along south edge of road on Black Hill for a couple of hours & then through road to gate at top of road between Black Hill & The Little Hill, the down road to hotel. In afternoon collected by sweeping *Salix* & birch along S.E. edges of The Little Hill at top of field opposite hotel & near quarry. Later took a *Crucian* by roadside entrance gate of hotel & on turn right to Linnahugh.

28/5/42 A.M. South side of Black Hill, Old Head Co. Wick.

Bombus agrorum, *lucorum* & *terrestris* (1) ♀♀.

Andrena *Myiagris* ♂ at *Salix aurita* (still in flower!).

A. sandra 2 ♀♀, one at flower of *Veronica chamaedrys*.

Homocidus *fulvipes* ♂, ant. 22.

Cratichneumon ♂, *C. tenebrator* ♀, frequent.

C. chrysator ♂, ♀ frequent.

Butterflies: Dingy Skipper (- *Egus*) along edge of road. Green Hairstreak, Wall & Speckled Wood (very common). Small Copper.

Humfly 2.

29.5.42, cont. Dooagh, Co. WM.
 I must begin (with Cephaelis lanceolata on the
 ridge to the west). In the scrub Cephaelis
 is fairly frequent, but it is more common
 in the open spaces between the patches of scrub &
 on the bare top of the ridge. It is difficult
 to assign the credit to any definite plant
 association as in one place a small
 scrub it grows with Juniperus, Sarcocolla,
Solidago, Fragaria, Rubus saxatilis (various),
Sparganium, while within 2 feet on the scrub surface
 clumps of Juniperus grow & round about many
 other common plants; on the bare summit
 of the ridge it grows with quite different plants
 & is equally common in places but not
 everywhere.

6 Burnside Road
 Gretna
 8/6/42

Dear Mr. Stelfox

Being
 for
 i letter
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 Carlisle
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Lehenagh House
Cork.

Dear Mr Stelfox,

I am sending here-
with the only two parasites
I have come across so far.
No: 59. 4. ^{Tomen deltoidea} was hatched from
the Aphid, Drepanosiphum
Platanoides Schr. The other
one, no: 94. 3. ^{Aphidius} was with some
unidentified Aphids on Leontodon;
both were deep amber-colour.

I hope you don't mind having
them in alcohol, as they were
collected. If you can say what
they are, will you please
let me know, referring to the
numbers above.

C. Wood-Baker.

Mr Stelfox.

6 Burnside Road
Gretna
8/6/42

Dear Mr Stetson

Forgive me being
so long in thanking you for
your kind & sympathetic letter
on the loss of my dear husband.
Everybody has been most
kind, and he was held
in very great respect.
As regards his collection
you wished to know what
was decided about it.
My husband expressed no
wish as to what was to be
done with it, so I decided
as he was a native of Carlisle
that it should go to Tullie
House. He was a member
of the Natural History Society
there from its commencement.

And there is a friend of his
in Carlisle who has taken a
kindly interest in getting the
things placed. I gave the insects
& Mosses, and they have ^{bought} &
a good many of his books,
also two Microscopes.

Mr F H Day is the name of
this friend, he & my husband
went to school together and
both were very keen on
the same hobby.
Perhaps you will have
seen his name in print
as he has written a good
deal on the subject.

Mr Murray sent a good
many insects to Edinburgh
since we came over the
border, I think he told
me over 700 Dumfriesshire
specimens.

Again thanking you
for your kind interest
& sympathy I remain
Very sincerely M. E. Murray

Cumbers from Slade Brook
21.9.41.
spun up in slaver 1/10/41.

[Karron on hazel from Slade
Brook, 8/10/41.]

C. am. 21.5.1943.

fully paid
550,000 Ten per cent. Cumulat
of £1 each, fully
1,000,000 Ordinary Shares of 2
Unclaimed Dividends ...
Loan and Accrued Interest
Sundry Creditors ...
Profit and Loss Account—
Balance brought forward from
Deduct Dividend of $3\frac{1}{2}$ pe
on Account of
cent. Cumulativ

REPORT.

Balance Sheet of the Company at the
for year ended that date.

Dundry Receipts for

amount to ... £20,076 5 1

nses £466 2 6

... 1,059 5 3

1,525 7 9

... 18,550 17 4

Balance Sheet

the year on

30th May 42, cont. Old Head cont.

Andrena pectorata ♀ seen at uprooted oak in woods at 1 (discovered by Dr. O'Connell).

A. pallens ♀ at *Ranunculus repens* - flowers at 1.

Halictus albifrons ♀ in woods at fallen oak, at 1.

Proctos. goodenivora ♀ at fallen oak at 1.

H. ruficornis ♂ at 1.

Crabro. chrysanthemum & *lucorum* at 1.

Pompilus virginicus ♂ & ♀ 2 & 1 ♀ digging in earth of fallen oak at 1.

Anteon ♂ & ♀. *A.* sp. 200

Tenthredo lineata, 1 jet black ♀ at 2, in wood.

Phaenocarpa from ♀ at 2.

Pontania ♀ at 1.

Smaller green shield bug at 2 =

30.5.42, cont.

Phe. 1 taken at 1. [19 insects mounted from 1 & 2 others] ^{collected 3/3/42 at 1 & 2}

Cryptus ♂ & ♀. *violator* ♂ & ♀ with one female of *areolaris* ♂ & ♀ & *lucorum* ♀ at 2 =

[A small ♀ with short 1st seg. "abundant" of *areolaris* ♂ & ♀] ^{collected 3/3/42 at 1 & 2}

Exochus ♂

Phaenocarpa ♀, at 24, dull, robust body.

Pimpla maculipes ♂ & ♀

Saigona ♂ & ♀

Tryphon signatus ♂ & ♀, small, old, much decayed, mounted.

Polyblastus pyramidalis? & very large ♂, ant. only 20!

Bracon trinitatus ♂. } not mounted?

Promethes cognatus 2 ♀♀. ↓

Microgaster ruficornis ♂. 1 H. *protractator* ♂ & ♀, mounted, and *plant* of *Microgaster ruficornis*

Theridion ♀, at 24 =

Microgaster ♂ & ♀, not mounted!

Can. populi *fulvipes*? ♀ not mounted!

Camptoplyctus 2 ♀♀, one very small, mounted! =? *Camptoplyctus* ♂.

Bracon communis m. ♂, ant. 28, & ♂, ant. 20, both from 1.

B. apicatus prop. ♂ & ♀, ant. 23

Microgaster globata? ♀

Gnathopoda pusilla ♀, ant. 21.

30.5.42, cont. OCA Head, WM, cont

Taken at 3. [Mount material from
labelled 5.3140, 5.3141, 5.3142]

Cratichneumon 1 ♂, white + black, ♂ = *Spilomyia* *phalaena*?

Proctos *pubescens* ♀

Homocidus *tigellus* ♂

Cochran *pictus*? 1 ♂, 1 ♀

Theridion 1 ♀

Campoplex - abundant - 12 taken including

Brach *caerulescens* ♂ & ♀

Proctos *larvicida* 2 ♂♂, 1 ♀ - wt. 24, 24, 23.6; also 1 ♂

Epantia *caesia*? ♀

Rhyssalus *humilis*? ♀, wt. 39

Metacoelus *pubescens*? ♂, wt. 32

Macrometacoelus (not mounted) ♀, largest, same as at 2

Oenone *claus* ♂, 2 ♀♀ - 2 mounted

Samph. *transversus* ♀ = 1 ♂ similar

31 May 1942. 4 May. Fine day, wind all morning
till 6 P.M. then calm, with 10 breezes. Sunday

Spent 1 1/2 hours before dawn in woods on west E.
side of The Little Hill, N. of quarry (= 1); later down
to apt. the scrub birch, willow, & vegetation - woods
in woods at foot of S. side of Black Hill (= 2);
& between 6 & 7 P.M. swept in the along stream
in woods between Black & Little Hills, along bank of
old road, Rose took 1 ♂ *Brach* *caerulescens* the previous
day, but very like new species (= 3).

After sweep at 2 - end of south slope on to top
of Black Hill to join Daisy who was just up
in time to see mine explode on Road at Strand
(a few miles to S.W.); saw several *Salix*, many
Daisy Skippers, & 2 Blue Hawk-bills on way up
Black Hill & one of last on way down N. slope.
Three explosions occurred at intervals all day
along coast & later heard that someone was blown
at Miss Blankley's hotel (Mayfield House)
on Beaulieu Island.

To write about
Cochran's to Corbin
to P.C. 10.4.42
10.4.42
P. 260 →

31.5 42, cont. Old Head, WM, cont.
Taken at 1. (10 insects mounted - these collected 9.5.42)

Pteronotus + few insects not mounted.
Andrena *littoralis* ♀ (8.2.42 - 1/2, 1/2, 1/2)
Halictus *rubicundus* ♀♀
Homocidus sp. new
Odynerus *picus* pale colored etc. etc. etc.
Pompilus *exilis* ♂

Pimpla *viridis* ♂, ♀ at first

Perithous *divinator* ♂ at first

Promethes *cognatus* 1 not mounted.

Caenichus *flaviventris* 1 (not mounted)

E. cf. pictus ? ant. 30. *P. cf. pictus* ? ant. 22.

Perithous sp. ♀, ant. 19, red on legs (sp.)

Opius *ringulatus* ♂. *Aspilota* *atra*, small ♀, ant. 22.

Exochus sp. ♂, ant. 22, red on legs.

D. curvatus ♂, ant. 22.

Oenone of class in 1/2, 1/2, 1/2 mounted.

Proctos. 1.

31.5 42, cont. Old Head, WM, cont.
Taken at 2. (10 insects mounted - these collected 9.5.42)

Salix *pusilla* ♂, ♀ on hill-side.

S. exaltata ♂, ♀ on hill-side.

Odynerus *picus* 1. ♂. *Yperba* *rupestris* ♀

Dolerus *nigritus* ♀ - field near road.

Cryptus sp.

Perithous *divinator* ♂, ♀, 1 small ♀, 1 large, ant. 34, 35, 36.

Caenichus *flaviventris* ♂.

Promethes *fulvipes* ♀.

Oxygaster ♂, ant. 22.

Stenomacrus *monticola* ♀, 1st find near road, large (ant. 22).

Aglyptus ♀

Halictus ♂.

Stenomacrus ♀

Aspilota 3

Opius *curvatus* ♂, ant. 22, legs, probably small.

Bracon *caudatus* ♂, ant. 47.

31.5.42, cont. Old Head, W.M., cont.

Taken at 2, cont.

Aspilota 1 ♂♂ = *A. f. atra*, ant. 27. 1 *mainipes* or *clavicornis*?
or not ant. 27*A. fuscicornis* 1 ♂, ant. 16, together with last.*A. f. m. lona* group ♂, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 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619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.*Basiscia stramineipes* ♂.*D. pubescens* ♂.*D. areolaris* 2 ♂♂.*Proctos.* 2.*Beetle* 1.*Butterfly*. *B. j. Skipper*.

31.5.42, cont. [22 insects mounted & then labelled 9.3.44 (A.M.S.)]

Taken at 3.

Allantia carpi ♀*Cratichneumon* ♂.*Cryptine* 5. including the first *Pezomachus* ♀ seen. *Myco*this trip & very much of the *Hamitela* *areolaris* group.= *Pezomachus* ♀, ant. 21.*Hamitela* ♀, ant. 17.*Stenomacrus ruficornis* 2 ♂♂.

31.5.42, cont. Old Head, W.M., cont.

Taken at 3, cont.

Promethes sulcator, *pubescens*, *regulator* & *leucophaea*.*Homocidus pectoratorius* ♂.*Campoplex* of small red ♂.*Microctonus* ♂ & ♀.*Plectiscus* ♂ & ♀.*Rhyssalus bicolor* 7 ♂♂, ant. 41 or possibly a small *tricolor*?*R. ruficornis* 1 ♂.*Aspilota* 1 ♂ of (*A. infirma*?) 2 ♂♂, ant. 20 & 21.*Euphorus* 1 ♂, ant. 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.*Helcon* 1 ♂, ant. 29, legs darkened.*Stenomacrus ruficornis* ♀, ant. 17.*Microctonus* 1 ♂, ant. 17.*Opius* 2 ♂♂, 4 ♀♀, also 1 ♂, ant. 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220

31 5.42, cont. Old Head W.M., cont.

Taken at 2, cont.

Aspilota 200, 19 = *A. ipse* 9, ant. 19.

A. cf. albicans 1 ♂, ant. 19, not identified. *A. albicans* 1 ♂, ant. 30.

Dacnusa stratiotae 1 ♂, ant. 19.

D. areolaris 1 ♂, ant. 32.

D. cf. near pallens 1 ♂, ant. 36, very reticulate & long wing ^{very long wing} _{very long wing}.

D. areolaris 1 ♂, ant. 36, very reticulate & long wing.

D. longicauda 1 ♂, ant. 36, very reticulate & long wing.

D.

Coelinius 1 ♂, ant. 30.

Chorebus 1 ♂, ant. 30, very reticulate & long wing.

Aphidius 1 ♂, ant. 30, very reticulate & long wing.

Proctos 3

Cynipids 1

very small.

1st June 1942. A day of drizzle & S.W. gale: did not collect during the day: barometer rose steadily & glass of rain on Westport suggested fine weather further inland.

2nd June 1942. Glass continued to rise steadily, but wind of evening stronger & fog filled all Whitehead. Although wind still S.W. & off shore at Old Head, no rain but a wet mist all time. Wind did not penetrate the woods, & the shelter of hill was a good point of view. Sun on Westport all day indicated reason of mist, as evening cyclone reported S.E. wind between Ballyvaughan & Westport, while it was S.W. along coast & the islands shrouded in misty rain all day.

In forenoon did an hour's sweep along stream at foot of field in part of lot (1), after lunch walked over hill to coast, & with S. of Old Head to Ballyvaughan (The Smelt Bank) & back by coast & road. After afternoon tea did two hours sweeping in woods, first by roadside of new road & ditch on old road below road (2), secondly E. of old road & ditch about the birch glade found by Daisy on 30.5.42. (3)

2.5.42, cont. Old Head, WM, cont.
Taken at 1. [20 insects mounted & then labelled 13/3/42 (AMS)]

Exochus chrysotarsus ♂♂ at fallen timber

Tenthredinella ruficornis ♀

Salixia ruficornis ♀

Aphidius melaleucum ?

Phaenocarpa fulvipes ♀♀ frequent

Cryptinid ♂.

Pimpla sulcata ♂♂, with black heads, but none

P. cognata ♂♂, 2♀♀. *Euclyptus ruficornis* ? ♂

Homocidus pallipes ♂

Microplitis ♂

Campoplegid ♂♂

Proctos 3, including 1 ♂ with small wings, taken

near, or leaf, the 1st & 2nd *Proctos*

= *Microplitis*

Apanteles black sp. ♂ } *Proctos* ? of ? ♂, ant. 22, short
antennae (antennae) (antennae)

Euphorus of pallipes 1, with 2 *Microplitis* ♂♂, ant. 22

Exochus calvus ♀

Opius foveolatus ♂ ant. 20.

2.6.42, cont. Old Head, WM, cont.
Taken at 1, cont.

Alysia ruficornis ♂, ant. 40 1/2 mm, from same place.

Aspilota ♂♂, 2♀♀ = 2 of *Aspilota* ? ♂ very small ♂ ant. 21, ♀♀ small ♂ ant. 21, ♀♀ small ♂ ant. 21.

A. aciculate (small typical ♀, ant. 21. *A. apiculatus* ? small ♂ ant. 16.

Dacnusa of new hairs, but head black, not darkened & 3rd antennal seg. short, ♂♂

D. areolaris ♂ ant. 22. ♂♂ or ♀♀, ant. 20.

D. stramineipes ♀

D. areolaris ♂♂, 2♀♀ - none mounted

D. latidorsus ♂♂ = *areolaris* ? ant. 35.

D. laticornis ? ♂ ant. 23. *D. cf. albigula* ♂ ant. 26.

Chorebus ruficornis 2 ♂♂: none mounted; ant. 24.

Aphidius 2 - not mounted.

Proctos 5 (3 mounted)

Stenobothrus 1 - not mounted.

Green Hairyish *Stenobothrus* 1 - none

2.6.42, cont. Old Head, WM, cont.
 Taken at 2. [23 mounted + these labelled 13.3.44 (A.H.)]
 Antennae? or *Eolene nigris*?
Euphranta *belugi*? ♀
Cratichneumon, small red ♂.
Cryptinids 3 (10 only mounted) = *Phanictes*? ♂ ant. 24
Polyblastus *variegatus* 2 ♂, 1 ♀, ant. 24, 25, 26
Promethes *ventralis* 2 ♂, 1 ♀
P. cognatus 2 ♂, 1 ♀ } not mounted
Zestropus *undulatus* 3 ♀
Microplitis *belugii*? ♀
Polyblastus *variegatus* 1 ♂, ant. 29.
P. pygmaeus 1 ♂, ant. 37. *Hydrophilus* 3 ♂, ant. 40, 41, 42
Camptopogon 1 ♂, 1 ♀, not mounted.

Euphorus cf. *pallipes*, ant. 23, not at base.
Metacoelus *circulator* 1 ♀, ant. 23.
Opius 2 ♂, 2 ♀ = *O. frontalis* 1 ♀, ant. 21. *O. communis*? 2 ♂, 1 ♀, ant. 24, 25, 23.
Allua contracta 2 ♂, 1 ♀.
Al. sic *capular* 2 ♂, 1 ♀, ant. 43, 43, 33.
Phaenocarpa ruficeps? small ♂, 1 ♀, ant. 13, 12, 11. } all small head similar to ♀ from *Dracopis* 24, ant. 25, 24, 23.
Aspilota fuscicornis, a small ♂, with red head, 17 seg. ant.
A. (Synaldis) fuscicornis? ♀, ant. 18.

Taken at 2, (cont.)
 2.6.42, cont. Old Head, WM, cont.
Dacnusa areolaris 1 ♂, 1 ♀
D. areolaris 1 ♂, 1 ♀
D. areolaris 2 ♂, 2 ♀
Ephegaster off. ♂, 1 ♀ (new kept.)
Proctos 1

Hemiptera in 3 = *Leptocryptus* *interstitialis*.

Taken at 3. [16 mounted + these labelled 13.3.44 (A.H.)]

Antennae 3 taken in swamp (2) + off *Salix* (1 smaller)

Phaenocarpa pubescens 4 ♀ common in *Salix*, 0 ♂, 2 ♂ mounted.
Cryptinids 5 (1 mounted) = *Phygadeuon* *Heck* *millis*, *phallosus*, 17-seg. ant.

Promethes cognatus 2 ♂, *P. ventralis* ♂, *P. ventralis* ♂ } very pale.
Homocidus pubescens ♀ *H. pubescens* ♂
H. flavoviridis ♂, 1 large ♀, ant. 26.
H. cf. ? ♂, very yellow - not mounted.

Microplitis belugii? ♀, not mounted?

2.6.42, cont. Old Head, W.M., cont.
Taken at 3, cont.

Mesochorus ♀ red thorax: not mounted!
Microplitis, var. sp., dark covered thorax, 2♀♀.

=

Pimplid = *P. abietis* *testaceipes* ♀, ant. 44.

Campoplex large red & black sp. ♀: not mounted!

Exochus *caerulescens* ♀.

Helictes ♂

Colastes *bracconius* 2♀♀.

Phygadeuon *scriptus*? ♂, ant. 40.

Entedon *extremus* 2♀♀, ant. 38. *Species of nigricornis* = ♂, ant. 26.

Phaenocarpa *inficipes* 2♂♂, } not mounted!

P. picea ♂ & ♀.

P. galathea Hal ♂, ant. 21, somewhat immature?

Aspilota *indivisa* 1♀, ant. 20: a nice specimen.

Euclyptus sp. ♂ & ♀, ant. 35 & 36.

D. sp. *tenella* ♀, ant. 25.

D. nigricornis n. ♂, ant. 26.

2.6.42, cont. Old Head, W.M., cont.
Taken at 3, cont.

Gacnum *retromarginatus* ♂ & ♀.

D. areolaris & *longicauda* 2♂♂, sup.

Proctos 3.

2nd June 1942. A very fine day, with light rain & strong SW breeze. A few more specks on trees on cliffs just N of quay at Old Head, in afternoon rode to Beach Strand (The Sea Wall Strand of some people!) & spent 1½ hours sweeping edge of rough bushes & Iris-filled swampy places N of same.

Boulder clay Cliffs N. of quay, Old Head, W.M. 12-10 noon.

Bombus *agrorum* & *terrestris* ♂♂.

Andrena *viridis* ♂ & ♀, part ♀.

A. nigrescens var. ♂ & ♀, also

Halictus *rubicundus* ♀♀.

Sphacodes 2♀♀ taken = *S. lineatus* & *S. hyalipennis*.

197.

3.6.42, cont. Cliffs, Old Head, W.M., cont.

Thomomys - small & good specimen - 1 of 50 mites.

Oligoneura picta ♂♂ abundant.

Chrysomelids ♂♂, several.

Ant. as before.

Skirted Lark, Southw. spotted by Daisy & seen by M.S.

Pluvialis gamma with on top of cliffs.

Red Admiral reported as seen by Daisy (see p. 200-1)

3.6.42, afternoon.

Sea-filled & muddy, pale & M. shore of L. Galway,

Rock ab. W. of Loughmuck, Co. W.M.

Salix - common.

Euphorbia 5 - including *atrachodes* small variety of 2.

Homocidus *tigridus* ♂

Campoplex - abundant but mostly one species.

3 (2-4) 'brevicornis' =

Oryctes *strumator* 100 - 200 mites

Chalcids 3 (2-4) = *A. pallipes* ? ♀, *A.* ♂

• *A.* ♂

198.

3.6.42, aft cont. L. Galway, W.M., cont.

Thomomys - 1 of 50 mites.

Oligoneura - kept all taken 12.1.42 =

O. picta - large m. ♂ & ♀, ant. 22 & 24, resp. large feet, dark legs.

O. latipes m. & m. ♀, ant. 20.

Phaenocarpa *confusaria* large ♀

Aphidius ♂ 100 m.

Some beetles collected on shore beneath dead rocks, 1 of 5 mites.

Beetles - *Cantharis*. Taken on wet stones.

The small *Paludicola* *gibbosa* m. m. m. in the

lough - not seen in the lake since, Glen Head

Survey, 1909-1911 (See my report). *L. maculosa* & *L. puncta*,

L. pergeri, *Valerata* *pinivallae*, *Smithia* *tuberculata* &

Pisidia (?) *curvilinea* - also seen on wet drift.

See also p. 206.

194

4th June 1942. The first really hot day & with only a little breeze (NW-W). Nearly all morning to evening collected a few insects along cliffs N of quarry, as on 2.5.5.
In afternoon rode on bike to Light's Lighthouse, about 5.6 miles up the Burn on, climbed up outfall of glacial outflow channel to water gap through Red sandstone rock, floor of which is a valley, & drains several rivers, including Long & Burn, the road up to summit of hill 125. Found it outfall & bank along its NW face. Found the outfall & channel filled with Sax. carbonis & both taking this position in proportion, but another plant of interest, small & little *Capitulum* in cracks of face at NW corner of hill also on some small patches of *Antennaria dioica* & on summit a little *Capitulum*. Insect butterflies seen at various places on road, on hill side & on summit watched 3 Red Admirals & 1 Painted Lady chasing each other, also saw or saw it on *Helianthus scaberrimus* & one Wall Butterfly.

4th June 1942. cont

Cliffs, just N of quarry, Old Road, Co. WM.
[Summit mounted & then labelled 19.3.1944 H.S.]

Evening, first dark with rain, & on return to hotel Red Admiral butterflies seen in various places, including a number of 4 on bank of a large stream. Saw spot *Samolus* 1st first seen. Insects only mounted from the morning, noted:—
Agrostis 5, red abd., 25 seg. ant.

Helianthus scaberrimus 2 ♀, long tubular, ant. 24.
Samolus 1, ant. 22.

Pompilio ruficornis 1 on cliffs.
Helianthus scaberrimus ♀.

4th June 1942. The first really hot day, with only a gentle breeze (NW) in p.m. & all morning. In morning, collected a few insects along cliffs N. of quarry, as on 3rd.

In afternoon rode on bike to Light's Tether, about 5.6 miles up the Burn, on, climbed up outfall of glacial outflow channel to water gap through which said river runs from N. of inner valley & across several moorings, including Long & v. Brown, the rock up to summit of hill 126. To west of channel & back along its N. face. Found the outfall of channel filled with *Sax. umbonata* & both *Polytrichum* & *Juniperus* in profusion, but rather plants of interest, except a little *Cupressus nana*. On south of face at NW corner of hill also some in patch of *Antennaria dioica* & on summit a little *Cupressus*. In great butterflies seen at various places on moorland, on hill side & on summit watched 3 Red Admirals & 1 Painted Lady showing each other, also saw on summit one *Libellula n. variolosa* & one Wall Butterfly.

4th June 1942. cont.

Cliffs, just N. of quarry, Old Head, Co. Wick.
[5 insects mounted & three labelled
19.3.1944 (A.W.S.)]

Hummingbird Hawk moth watched; & on return to hotel Red Admiral butterfly seen in several places, including a number of it on trunk of a large tree by stream. Saw spot above summit & first seen in this note only mounted from the morning's catch: -

Euphydryas 57, red abd., 35 up abd.

Phylodactylus rugosus? ♀, long tibiae, red. abd.

Euclyptus ♀, red. 33.

Pompilus ruficornis ♂ on cliffs.

Heterostus villosus ♀.

4.6.42, aft. Laghta Lighthouse & Hill 120, 3 miles
South of Old Head, Co. WM., 3.0 till 6.30 P.M.
NB: The Hill 120 is of granite!

At foot of overflow channel, referred to on p. 188, was
a small Mt. Ash tree in full flower & on return journey
stopped for 15 minutes at it & by a careful examination of
Malaspina clearly seen, but not of much
interest then - piled & noted it. With the *Malaspina*
was a dozen of the ash, & *Andromeda*, *Flax*, *Green*
Hemistachys, & a black & white checkered *Geranium* with
but have prevented me staying to investigate the insect
fauna of the tree properly. Insects were very numerous
at head of channel & all over the hill, in my foot
area, but I did not seriously collect.

Colletes common & taken 1 seen, 2 or 3 ♀♀ seen all over hill
Tenthredo - *pin* numerous frequent at head of channel,
black & red & tuffaceous coloured ♀♀ taken; also ♂.

Rhyssalus viridis abundant on Mt. Ash.

Tenthredella (*balteata*?) seen on Mt. Ash.

Salix *maria* seen on bracken at head of channel
Strongylogaster *bristleyi* 1 ♂, 1 ♀ taken, ♀♀ common on
bracken at head of channel.

4.6.42, aft. cont. Laghta Lighthouse, WM, cont.
Cryptine red or brown, seen
Agropyron small sp. or caught on hill.
A. large sp. taken at Mt. Ash.
Colletes *pin* taken on hill.

People which built on taken, other seen, with no
from middle or edge.

24 June 1942. A perfect day - very hot, all sunny,
with gentle NW breeze, misty & very much out.

Did not go out till after lunch, then walked
through wood to cliffs just E of Sarnafalam
& spent afternoon there till 6 P.M.

Roadside above road & coast W of Old Head.
G.N.M.

(A calculation by road-side, i.e. 0', at top of cliffs
unless otherwise stated).

Colletes lucorum 1 sp.

B. hortorum 1 ♀ at *Radicularia* sylvatica

B. derhamella 1 ♀ on cliff path at Totem

Andrena nigroparva 1 sp. 1 ♀

A. scaberrima ♀ - grassy in field.

Habrobracon rubicundus 1 ♀

Homocidus bellus seen at roadside bank
between paths

B. parvulus 1 ♀ seen

Proctos. nigerrimus 1 ♀ on cliff-path.

[*Elter* with 1 *Proctos. gilvus* (?) on *Salix reticulata*
seen on roadside ditch between paths.]

[*Vespa sylvestris* ♀ taken in hotel before lunch.]

Odynerus pictus 1 ♀ seen near steep coast
1

S. 6. 42, Col. Cliffs, S. W. of Old Head, W.M. Coast

Chrys. ignita 1 ♀ on cliff

Andrena 1 ♀

[144 insects mounted & then
labelled 21.2.1942
M.S.]

Dolichopus 1 ♀

Tenthredin. ruficornis 1 ♀

Phygadeuon. viridis 1 ♀ on *Salix* at top of cliff

Andrena 1 ♀

Tom. laticornis 1 ♀

Euclyptus 1 ♀

Andrena 1 ♀ on top of cliff

Salix arvensis = *Salix arvensis* 1 ♀

Proctos. hypoxantha 1 ♀

Proctos. rufa 1 ♀

Andrena 1 ♀ on cliff

Proctos. rufa 1 ♀

Euclyptus 1 ♀

Proctos. rufa 1 ♀ on roadside

Proctos. rufa 1 ♀ on cliff, 1 ♀ on cliff

Proctos. rufa 1 ♀ on cliff

6th June 1945. A sudden change during night. Bright fall in glass & depression from NW, with strong wind & cloud & rain in evening - all evening after 11.30 AM, but with my fresh & cool.

But not far out to after lunch, then walked to Derry Lake, on coast W. of Old Head, carrying to after tea rest up rocks to order report & then did an hour's collecting by stream in woods along Old road. Not many insects out owing to rain.

[29 insects taken on 6th morning & then collected 23/24/45 'NW']

Roadside & cliffs, W. of Old Head, Co. WM.

Andrena vittata ♂♂ abundant near Derry Lake on bank by 2nd

A. nigrescens ♀ seen.

Halictus rubicundus, *fulvipes*, & *conspicua* ♀♀ common

Novocentrus vittatus ♂♂ & ♀♀ frequent on roadside.

N. maculosa & *N. podanaria* seen.

Pompilus nigrescens ♂♂ & ♀♀.

Salix caudata ♀ on roadside, introduced by wall.

Odynerus pictus & *O. albicinctus* frequent.

Theridion variabile ♀♀ on top of cliffs.

Small *Polystenus pictus* abundant at mouth of stream at Derry Lake. Near this stream is dammed up by the stone head. See p. 198.

6 6 42, cont. Woods, Old Head, Co. WM.
Insects 2 off bird in garden

Chrysomelids 6.

Proctos. scutellari ♂♂ & ♀♀

P. subulata ♂

new mounted

P. repens ♂ & ♀.

Hemiteles stans ♂

Orthocentrus pictus ♂ & ♀

Microctonus 1 mounted

Mesoleptus (*Microctonus* type) *typicus* 100, int. 40

Coelocentrus 2 not mounted.

Colletes truncatus ♂♂ frequent. new mounted.

Phaenocarpa ♂ { not mounted

Apanteles 2 (2 ♀♀)

Euphorus 3 sp. *pallipes* 1 ♂ (12), ant. dark & 20-seg.

1 ♂, ant. dark & 20-seg. 1 ♀ ant. almost entirely translucent

& 20-seg. 1 possibly immature or immature *pallipes*?

6.6.42, cont. Woods, Old Head, W.M., cont.
Macrocentrus ♂ & ♀

Opius 9 = *O. cf. pallipes* 2♀♀, ant. 27.

O. communis 3♂♂, 2♀♀, ant. 26-28 seg. very nice series!

O. fuscicornis ?? 2♂♂, one larger, ant. 22, the very small, ant. only 24,
 both with long tails: apparently quite small.

Aphonota major 1 fine ♀

Phaenocarpa conspurcator ♂. not mounted.

Aspilota 2 ♂♂ (both ant. 21 = *A. cf. ?* ant. 2 & 21)
 & *A. quadricornis* ? ant. 20. or possibly *A. clausi*.

Daenusa adducta (2), *D. aphanta*, *D. areolaris*

D. longicauda: none mounted.

D. ^{marcella group} stans: 1 magnificent ♂, with 35 seg. ant.

Dysentoma phaeiceps 1 large ♀, nearly all yellow, ant. 26.

Aphidius 8: none mounted.

6.6.42, cont. Woods, Old Head, W.M., cont.
 Proctos. 6: 4 only mounted: 1 = *Exochus* *minimus* ♀
 1 red of 21 seg. ant. 21.

Eurygaster 5: one only mounted, should be *Exochus* *minimus*.

7th June 1942. A cool day with strong N.W. wind & a
 few light showers. Driven by the Colliery to
 Bowness, for the time of an ant. up to 40 ft of
 Mireux to 2 miles N.W. of Bowness, and a short
 lower cliff, but land just on S. side of summit is
 perfect shelter for the more southern forms &
 crabs; collected a few beetles (32 species) by
 the cairn; and my string of moths & with
 boiled up some, but not before we had the perfect
 view over Killybegs & the Fells of Bann; after lunch
 we crossed summit & went down N. slope to get
 between Mireux ^{+ summit N.E. of point} & Bowness, but for plants of
 just S. of Col. & for 100, but for plants of
 interest; went around W. face of Mireux to ridge

7.6.42, cont. Mueselra, Co. WM, cont.
 getting out west side of ... several small bits of cliff on route, walked
 along N face of said ridge, past a small peak
 torn in hollow of ridge & then cut back
 to car, descending a ^{deep} gorge down which
 flows a small stream. From S.W. face of
 the ridge, the gorge with a rapid descent
 but too precipitous to be walked from above &
 difficult to walk from below because of deep
 pools below narrow waterfalls.

Insects almost nil but during short visits
 of some larvae. One small *Tupetis* in moss
 abundance, one female of *Phyl. thym. 18* very, & well
 as a small very black *Trachiptera*, *Diptera*, one
 purple stick-butter seen flying along near summit.
 The following further collected in dis-
 tance of the canyon.

7.6.42, cont. Mueselra, Co. WM, cont.
 Plants very scarce, on cliff too solid & dry, but
 the following were those of which I took some:
Hymenophyllum wilsonii? Seen in great
 abundance on rocks & turf banks of stream
 & on cliff, almost to the summit. I feel sure that
 all or most of that in rock in the canyon, *Stellaria*
~~*Stellaria media* & *Stellaria media*~~
~~*Stellaria media* & *Stellaria media*~~
Saxifraga unknown to the highest rock shelter near
 the summit.
Sax. stellata ^{known down} abundant - *Stellaria* & *Trichomanes* on W.
 face, but none seen on cliff above.
Sax. Pinnata. Frequent on rocks on cut N. of
 summit & occasionally on cliff.
Carex rigida all over the rocky summit & on the
 higher cliffs.
Arctostaphylos *uva-ursi* & *large patch* - the *goss*
 referred to above, on rock & on
Juniperus & *large plant* with the last hanging down
 sides of gorge, but? *Phyl. species*.

8th June 1942. A fine day, with much sun,
but a strong breeze NW wind made insects stop.
Collected a little in wood N + S of gate cottage
& the grassy slope (E.D.); & after lunch collected
along S. side of Black Hill & edge of field N of
Hotel (=3); after afternoon tea walked through
wood to coast & round Old Head cliff back
to garage, but did not collect. [29 insects mounted (some
from E.D. & some from field)
24.6.42 at 10.15 AM]

Old Head, woods, etc., C.B.M.

Taken at 1	Pontania	♀
<i>Cratichneumon</i> ♂		<i>Phaenocarpa</i> ♂
<i>Cryptus</i> 10 (8 mounted) = <i>laticinctus</i>		<i>Gasterocercus</i> ♂
<i>Hemiteles</i> ♂	♀ fresh from, hatched - ♂	<i>H.</i> ♂
<i>H.</i> ♂		<i>Phaenocarpa</i> 2 ♂
<i>Pimpla</i> ? ♂, ant. 23 =		
<i>Pimpla flavicornis</i> ? ♀, ant. 29		
<i>Perithous rubicinctus</i> ? ♂, ant. 26		
<i>Homocidus pectoratorius</i> ♂		
<i>Perithous p. collaris</i> & <i>capitatus</i> ♂♂		
<i>Cryptus flavipes</i> ♂♂ (2 mounted)		
<i>Stenobothrus</i> ♂, no mounted, ant. 22 =		

8 to 1942, cont. Old Head, C.B.M.
Taken at 1, cont.

Blacus ♂♂ 2 ♂♂ - ♂ of *fuscipes* ♂, ant. 22.
Spinus rufipennis ♂, ant. 22.
Aspilota 5 = *Aspilota* ? ♂, ant. 22.
A. ruficornis ? ♂, ant. 22.
A. of putator ♂, ant. 13.
Aspilota ♂ = ♂ of *Aspilota* ? ♂, ant. 22.
A. of Aspilota ♂, ant. 22, head petiole, ♂.
A. of Aspilota ♂, ant. 22, head petiole, ♂.
A. of Aspilota ♂, ant. 22, head petiole, ♂.

Proctos 11
Cynipid 1
Taken at 2. [21 insects mounted & then labelled 14.6.42]

Formica fusca ♀
Leptothorax curvis ♂ & ♀
Schrenckia subnitens ♀
Cryptus 2 ♂♂ = *Cryptus* ♂
Cryptus ♂♂ of *Cryptus* ♂, ant. 22.
Microgaster ♂, ant. 22.

8.6.42, cont. - Old Road, NW, cont.
 Taken at 4, cont.

Metopius diversicornis 1

Parafacis variator 3.

Exochus crenator 2 ♀.

Proctos 200 2 minute ♂, ant. 23, legs black, wings

B. 1st fl. black, 2nd fl. white, 3rd fl. white, 4th fl. white, 5th fl. white

Pygus 100 100, 100, 100, 100, 100, 100, 100, 100, 100, 100

Chalcids 100 100, 100, 100, 100, 100, 100, 100, 100, 100, 100

Exochus 100 100, 100, 100, 100, 100, 100, 100, 100, 100, 100

Exochus 100 100, 100, 100, 100, 100, 100, 100, 100, 100, 100

Aphidius 100 100, 100, 100, 100, 100, 100, 100, 100, 100, 100

Proctos 4

Chalcids 1

9 June 1942.

Left home at 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15

Got not collect!

10th June 1942. Took 7 *Chalcids* from garden, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15
 NB. This is the dark species often taken in the garden before & logged in the collection, but J. P. Perkins has not think it is a dark variety of that species.
 Collected at 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15, 10.15

Long horn beetle: *Pogonocherus* 1 ♂, 1 ♀ found alive in kitchen: probably emerged from a log brought home from Clara, Co. WI., on last visit there (22/4/42!) AWS. 8.4.42.

Aphidius 200, 200, 200, 200, 200, 200, 200, 200, 200, 200
Aphidius (taken on *Rosa laurifolia* on 10.6.42) on 14.6.42, off rose bush in back garden, 14.6.42, Harold Cross, Dublin AWS. 8.4.44.

2 216.

14th June 1942. A poor, cold day, with occasional rain & drizzle from 10.30 till 2.30 P.M., with a NE-NW gale, after a dry week with cold E. wind & a fine night & early morning.

Rode to R. Canal, W. of Linslip Bridge, above Linslip, Co. Kildare, but no collecting possible till about 2 P.M.; the west edge of canal & tow path, now called a plantation to the W. of Linslip Bridge = 1 & later swept grass, etc., under trees in this plantation, = 2.

Sept 38 from 1 & 23 from 2 & 3 there labelled 2/11/1942 at age 1
R. Canal
W. of Linslip
Co. Kildare

R. Canal, etc., W. of Linslip, Co. KD.
Bombus lucorum, *terrestris* (4♀ at Linslip), *agrorum*, *muscorum* & *terrestris* (4♀) seen.
Poecilus campestris & *versicolor* long, fresh ♀ taken at Linslip.
Andrena ♂ & ♀ a few seen during midday.
Andrena ♂ at 2.

Tenthredinaria ruficornis 1♀ seen at 1.
Tenthredinaria ruficornis 2♀ at 2.
Dolichopus 4♀ at 2.
Andrena ♂ at 1.

217.

14. 6. 42, cont. R. Canal, etc., W. of Linslip, Co. KD.
July, vol. 1, small black ♀, flat mounted, = *Meloboris* ♂ at 2.
by *Phaenocarpa* & *Phaenocarpa* ♂ at 2.
Phaenocarpa ♂ at 1.

Pimpla ♂ at 2. *Pimpla* ♂ at 1.
Bombus ♂ at 1.
Homocidus ♂ at 1.

Chrysomelid ♂ at 2.

Orthocentrus ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Microgaster ♂ at 2.

Tenthredo viridis ♀♀

Salix glauca ♂ (? ♀ - can).

Taken at 1, cont.

by nipped

Taken at 3 cont.

21st June 1942. Grey hot day, scarcely any wind
but variable W or E, very hot sun but a
good deal of light cloud.

Did not go out till after tea, 6.30 PM,
the road to Blackthorn, Co. DU, arriving at
7.15 & leaving at 8.45. Swift side of canal
& drain parallel to same on S. side, above lock
W. of Blackthorn (as in 1941).

Labelled *L. d. K. 2* 1 or 2.

Grand Canal, W. of Blackthorn, DU.
12 used left just above Blackthorn lock & drain at
same place, also used but 1/2 mile further up
at entrance gate to farm & drain at left
place also.

2 = drain at last place only.

Heads of Brown Butterfly, 1st seen 1942, but only 1st

Bombus terrestris 1 ♀ seen at 1

Very few other bumblebees seen & none almost taken.

Tenthredo "arvensis" common at 2.

Tenthredella colorata? 6 fine ♀ swept along the ditch
at 2.

Dolichopus fuscicornis at 1, on *Lychnis viscaria* in drain.

44 mounted from 1 & 2 13 from 2
& then labelled 4. 10. 1944. cont.

21.6.42, cont. Blackthorn, DU cont.

Portesia rather very abundant on *Salix fragilis* & on
a sedge, having *Salix* (20 by hand) given also the
ditch at 1. One ♀ *Portesia* swept off latter *Salix* etc.
= *Portesia*

Anticars 1 at 1.

Euphranta 8 or 10 seen both.

[No *Leptocryptus* taken, though 3 *Leptocryptus* group (12) seen]

Bombus terrestris 200

[No *Homocidus* taken, but 1 ♂ *H. ruficornis* taken near]

Mesochorus, orange abdomen, 1 in drain at 2.

= *Spectator stator* ♀ (labelled 1 but well, taken at 2!)

Mesochorus, several at same place, not kept (7 very small group)

Chorebus ♂, not kept, at 2

Microgaster small ♂ at 2, larger ♀ at 1; not kept

Theridion ♀ at 1, not kept.

Campoplegid very rare & none kept only 2 or 3 taken in drain

Brachon of various species but *Exochus* & *Chorebus* & *Tryphon* etc.
not 25. 1 ♀ at 1.

B. ... 200 ... 1 ♀ ...

21.6.42, cont. Clondalkin, Du., cont.

Chalcidius 1 m. at 1, cf. *latimaculatus*?

Microdus alenethianus ♂ at 2, ant. 33.

Euphorus *crucians* ♂ at 1, ant. 23.

Meloboris *concolor* 2 ♂ at 2, ant. 26 & 27.

Epine cf. *pellipes* ♀ at 1, ant. 27, posterior segments of terebra rather long.

O. virgatus ♂ at 2, ant. 25. *O. laevis* ♂ at 2.

Pentapleura fuliginosa ♂ at 2, ant. 29.

Alysia *leptus* ♂ at 2, ant. 42.

Aspilota *flavipes* ♂ at 2, ant. 31.

Exochus *marginatus* ♂ at 1, ant. 30.

D. cf. luteicornis ♂ at 1, ant. 33, palpi yellowish.

D. cf. v. or fusca ♀ with tergite 2+3 small & granulated above ant. 33, ♂? see *affinis*? =

D. brevis cf. *viridis* ♂ at 2, new *exilis* but dark wings, & expanded head.

D. melanocoma ♀ at 1, ant. 25. ^{20. my. antennae, 20.}

D. cf. ? ♂ at 2, new *exilis*, ant. 29, placed next *brevata*!

Coelinius *capitatus* ♂ at 2, ant. 53.

Trypids of *trivialis* ♂ at 1, ant. short & very clubbed!

Proctos. Gullbogs

♀ at 1.

24th June 1942 A dull day, only a stray gleam of sun, cool, with fresh NW breeze.

In afternoon rode to Glencree, arriving at head of upper reservoir about 4 P.M., left Moore's house at 12 minutes to nine & reached home, against breeze, at 9.30 - 37 minutes. Collected in five areas: -

Glencree, Co. Du.

1 = Flat at head of upper reservoir.

2 = shore of reservoir at boat-house on S. side of upper reservoir & Slake Brook channel & meadows glen W. of same, at same place.

3 = under trees above right way below upper dam & on both sides of path down to Moore's house, near gate.

4 = Marsh, & under trees on flat between Moore's garden & river as far down as the boat "dock".

5 = do-do from boat dock (including some ^{N. of gate} *perforatus* to sweep with reservoir full & nearly dry.

Taken at 1. [15 specimens from 1 mounted & then labelled 7.10.42.]

Cryptine 2 taken 1 very small & 1 large

Homocidus *pallipes* & *Bombus* *terrestris* 1000000

Stenomacrus cf. *leptus* 1000000 ant. 28

Leucophaea - very near *capitatus* (but *leptus*?)

24.6.42, Cont.

Taken at 1, cont.

D. crucians not kept

Rector. 102 not kept

24 6 42, cont

Micragaster globatus G.

20th June 1942. A very fine day with some cloud,
sun very hot sun, & fresh W. breeze.

Travel 3 miles S.W. of Dundalk on
Mr. Joseph Mc Mahon land in townland of
Newtownake, Ballyhenry, near Gibston of 1"
Ord map sheet 20, There had of which
great deer had been discovered during turf
cutting. Went by 9 AM train & cycle, with
J. F. Mitchell, who collected pollen-samples from
the vegetation around & above the deer head.

Also brought away some samples of soil
for shells. [30 insects mounted & then labelled 13.10.1944.1945]

Newtownake, near Dundalk, Co. L.H.

Ballyhenry, Co. L.H. 13.30 - 4.30 P.M.

Pontania ruficornis ♀ the only "Bee" seen.

Ephedrus palustris ♂.

Chalcidius abditellus ? ♀, pale var.

Cryptids 7.

Meloboris 2 ♂♂, 2 ♀♀ (14 sp. 3)

Chalcidius 1 ♂, 1 ♀ (14 sp. 1)

W. P. H. H. H.

30.6.42, cont. & near Dundalk, Co. L.H.

Meloboris

Perilissus 2 ♂♂, 2 ♀♀

Meloboris ♀

Brachypterus 8" 20.6.1942

B. of *Chalcidius* 1 ♂, very small, 2" type not mounted, ant. 22.

Phaenocarpa punctipennis a beautiful ♀ with the
side of dr. H. I. mounted, ant. 25.

Phaenocarpa punctipennis ♂

Chalcidius 1 ♂, ant. 27.

D. ruficornis ♂, ant. 27.

D. ruficornis ♂, Type 1 ♂, ant. 35.
ant. 14.10.1944.

D. ruficornis ♂, ant. 27.

D. ruficornis ♂, ant. 34, large, with large dark wings & legs.

Chalcidius ♂, 1 ♂, ant. 27.

Aphidius ♂, ant. 15.

A. ruficornis ♂, ant. 17.

Roots 1 = *Chalcidius* ♂, ant. 27.

Chalcidius 2 ♂♂, 2 ♀♀

Chalcidius with small pointed wings
at root ends of legs, parapsidal furrow
on dorsum, & legs, & wings, & legs,
ant. 14.10.1944. 1 ♂, ant. 27.
ant. 14.10.1944. 1 ♂, ant. 27.
ant. 14.10.1944. 1 ♂, ant. 27.
ant. 14.10.1944. 1 ♂, ant. 27.

(Antennae filiform, bases of antennae
interesting, but legs & wings more like those of the
species & look like the species?)
ant. 14.10.1944.

4th July 1942. A dull warm day, with hot sun at intervals in place, with strong S-SE wind, thunder in afternoon; glass falling after a long dry spell, after a shower of rain in some localities early in morning.

Glenasmole, Co. DU.

- 1 = under trees between Moore's house & garden & on hillside between garden & postbridge
- 2 = in wet place along course of river below Moore's house & up to rabbit-hoop
- 3 = under trees at N. end of pond, from rabbit-hoop to pond; & north of pond along water course to tunnel at foot of upper dam. 3.30 till 6.45 PM

Taken at 1. [9 insects only mounted & those labelled at 14.10.1942!]

Stilpnus geyseri ♀

Baronia triseriata ♂

Theridion ♀, ant. 19.

Chironomus verticalis ♀, ant. 26.

Aphidius ♀, black sp.

Euphorus pallipes ♂, ant. 26.

C. cf. picipes (smaller sp.), ant. 18.

2.7.42, cont. Glenasmole, DU., cont.

Taken at 1, cont.

Opis cingulatus & *conspicua* 1000 each: not kept.

Pentapleura pumilio ♀.

Baronia areolaris abundant.

D. lapidaria, a few.

D. melanocera common: including the very small ♀♀/males.

D. adducta ♂ with 22-seg. antennae, 1st seg. first right. Looked like two in all.

Ephedrus lucicola 1 ♀.

Aphidius sp. common: not kept.

Proctos 3.

Butterflies

Taken at 2. [38 mounted & the rest killed 15.10.42!]

Argo ciliaria 2 ♀♀, small, very dark: not kept!

Cryptine 10.

2.7.42, cont. Glenasmole, DU. cont.
Taken at 2, cont.

♀ Cryptid on myrtal = *Stenocranus* *longipes* 2
Purple *Flavicornis* ♂ in high bush on tree trunk
P. of *Stenocranus*? ♀, black body, legs, antennae, etc.
winter color. (in high bush on tree trunk)

Perilissus *discolor*? ♀, showing specimen of *perilissus* among young of the tree.

Perilissus *discolor* ♂ =

As *Perilissus* ♂ 36. ♀, ant. 36.

Bracon *truncatus* ♂, with some red band on abdomen; ant. 13.

Hemiteles *truncatus* 3 ♀♀.

Stenomacrus ♂ not kept.

Chalcid ♂.

Microgaster *concolor* ♂ =

Proctos ♂ = *Myrmecobius* ♂

Bracon *viridis* in *Stenocranus* ♂.

B. ♀ (not mounted)

Oncophanes *viridis* ♂.

Apanteles *flavipes* ♂, frequent.

Dacnusa ♂ = (not kept)

2.7.42, cont. Glenasmole, DU. cont.
Taken at 2, cont.

Euphorus *pallipes* ♂ 1 ♀, ant. 22.

Perilissus 1 ♀, ant. 25.

Opius *irregularis*, *punctatus* & *concolor*.

O. irregularis ♂ 244, ant. 27 in both.

Microgaster *concolor* ♂. ♀ probably, in tree.

Tanyocampa with *Stenocranus* in the P. 10. 200, 14 at the place during the last month! ant. 21.

Aspilota *discolor* ♂ 1 ♀: all taken: ant. 20.

Dacnusa *areolaris*, *maculipes*, *apicatus*, *rubescens*
bellina, *abducta*, & *obscurus*.

D. latens ♂, ant. 23. *D. obscura* ♂ & ♀, ant. both 27.

D. cf. laticincta ♂. {1 damaged, ant. 27, but has been dead some time, depending on the mounted & the mounted of the same has been taken at Rathfriland (10. 11. 42) as 20 & 25 & 26 & 27 in ant. by mistake? 20, 25, 26, 27.

D. transversa ♂, ant. 24.

D. cf. laticincta ♂, ant. 21, but petiole being & mesothorax petioled, 22.

D. cf. laticincta ♂ seen last, 17 ant. ant. 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

D. cf. laticincta ♂, ant. 27/28, but red side of petiole, petiole broad, etc. (see above note).

Phedrus *laticinctus* 2 ♀♀.

Aphidius *viridis* ♂, large, pale kept, ant. 19.

Aphidius *aff. n. n.* ♂: not kept.

Proctos ♂: not kept.

Beetle. Small weevil: *Longicollis* *paucicollis*, Gyll. fide E. O'H., the only one seen.

27.4.2, cont. Gloucestershire, D.W., cont.

Taken at 3

Colletes haemorrhoidalis 10, 17.

Synalphe ♂

Pygostolus sticticus ♀

Opius communis etc. 20.22.

Dacnusa areolaris, *longicauda*, *abducta* & *retroversa*.

D. g. ♂ & ♀ seen in both fields at same time (flowers into rain & above field for night time),

mostly *D. eros* taken & *pygostolus*.

D. f. areolaris Nix 14.10.10 10, 17, and 21.10.10 10, 17.

Aphidius spp. common: none kept.

Beetle: 1

only two ichs seen at the place.

Monticola f. ♂ & *Phylloscopus* ♂.

5th July 1942. A very blustery day with heavy rain in the day proper, but sun & light rain in the afternoon. Spent the day in the garden, then in the field after dark, and in the evening.

Rode to Rye Water at Lincoln & then along canal W. of Lincoln Bridge, Co. KD.

1 = Slope from road to Rye Water, W. of canal.

2 = 2.5 field N of canal, where much *Trifolium repens*.

3 = enclosed plantation 1/2 mile W. of Lincoln Bridge along canal.

Rye Water & Royal Canal, Co. KD.

Bombus morio 1 ♂ seen at 1.

Psithyrus ♂-perhaps 1 ♂ seen at 1.

[Only one other beetle found in evening!]

Terthodonta ♂-perhaps 1 ♂ seen at 1. 10.10.10 10, 17.

Delius ♂-perhaps 1 ♂ seen at 1. 10.10.10 10, 17.

Small ♂-perhaps 1 ♂ seen at 1.

Gather of *Psithyrus* in *Salix* profrutens along side of canal at 3, collected by road to Benson.

Antenn ♂-perhaps 1 = 10.10.10 10, 17.

6th July 1942. A fine hot sunny day with a few small clouds.

Visited M. S. Dudley Garroff in afternoon & while in garden, 10 P. from Turre, Blackheath, C.D., saw or took the following:—

Bombus lucorum, *terrestris*, *agrorum* ♀♀.

B. distinguendus ♀ & 1 ♂ seen.

Bracon triangulator very abundant on leaves of Red Currant bushes. ♂♂ & ♀♀. 1 ♂ taken with figs.

Bracon sp. ♂ & ♀.

Phaenocarpa caudata Gyll. ♂♂ abundant on white thorn. Six taken with figs, ant. 32, 32, 32, 33, 33 & 34.

Proctos 2 at rubber leaf.

10th July 1942. 3 insects taken in St. Anne's, Blackheath, London, by P. O. M. & J. G. M. *Chalcid* sp. ♀. *Mesochorus* sp. ♂. *Microgaster* sp. ♂. ant. 34.

10th July 1942. Broken, with heavy showers from NW.

At 2 P.M. a pair of *Bombus lucorum* came into

N. window of my room in morning, as if to seek a place for hibernation, as often has been done many times.

I think, since I came to B. I have not seen them. I have kept a note of them, but this afternoon in my room on evening only (1st July & August).

On kitchen window, 14 Blenheim Rd., Harold's Cross, London. Took a ♂ & saw the *Phaenocarpa* sp. ♂.

13th July 1942. A fine day, mainly dull, gentle SW W. breeze, with a few sun bursts when they lit & almost melting. Rode, alone, to Linslip, arriving at Louisa Bridge at 11.40. Collected, as usual, between road & Rye Water, N. of canal, till 2.30; then rode west along canal to usual plantation, left there at 5.35 & reached home at 6.45.

Rye Water (Linslip Station) & Royal Canal, C.D.

1 = Road & upper level next road, N. of Canal.

2 = Below station 1 & down to marsh at river & in marsh field to N. of same.

3 = extreme top (NW) corner of second field N. of canal (same for some places included in 2).

4 = Side of canal & area outside plantation (at both ends of same) 1/2 mile W. of Louisa Bridge.

5 = Walled in plantation, for burial, at 4.

Megachile ♀, almost certainly *M. versicolor* seen at 2 on slope of aqueduct.

Pemphredon swept in marsh at foot of slope & aqueduct, near Burdock field by river.

12.7.42, cont. Rye Water, KD., cont.

Taken at 1. Antennae ♂ (not mounted). [29 mounted from 1 & 2 labelled 12.7.42]

Scaphis. black sp. = *Trichocampa* sp. *sericeicornis*? ♂

Cryptus 5: 5 on small & only mounted =

Glypta nigrescens ♀, ant. 24.

Stenomacrus 1 =

Camptopogon 8, including *canidus* ♂, ant. 19.

Microctonus 1.

Poreus fulvipes ♀ (not mounted). B. of *fulvipes*, apex of abd. smooth, ant. 19, 1st seg. short.

P. communis ant. ♀ (not mounted)

P. anthracinus? ♂ or ♀ (not mounted)

P. sp. ♂, ant. 29. *B. epitriptus*? ♀, ant. 26, legs pale.

Microctonus *variegatus* ♂

Phaenocarpa { large red ♀, red thorax } { large red ♂, black thorax }
 { long 1st seg. antennae } { short, 5th seg. antennae }

Chelonus scutellator? 2 ♂♂, ant. both 22, separated.

Apanteles obscurus? ♂ & ♀.

Microctonus clausenianus ♂, ant. 33.

12.7.42, cont. Rye Water, KD., cont.

Euphorus orichalcus 2: not mounted.

Microctonus ruficornis ♀, red thorax.

Opius communis ant. ? 2 ♂♂ ant. both.

Phaenocarpa pilicornis ♀: not taken.

Aspilota 2 ♂♂ = *A. nigrescens*, ♂ ant. 22, a 2 (populifer) ♂ 23. 22

Dacnusa areolaris, *pubescens*, examined.

D. scutellator 2 ♂♂, ant. 22 & 20.

D. areolaris 2: small ♂, ant. 21, thorax black, black-mounted.

D. cf. areolaris from 1944. 1 ♂, ant. 20.

Aphidius *concolor* H. p. 11. 1 ♂, 1 ♀.

Aphidius ♀, ant. 18.

A. ♀, ant. 17.

Roctus *reus* 1 kept 4: -

Phaenocarpa apterogaster 2 ♂♂

127. 12. 1904, cont. Rye Water, KD., cont.
Taken at 2. [28 mounted from 2 & then labelled 23.10.04]

Anteon 3♂♂: one mounted
Euphrasid. 5 (= 41) ♂♂
Pimpla variabilis v. flavipes ♂♂
Hormius pilosus ♂ & light colored ♂
Cnephia ♂
Nesotes of 20.10.04
Gasterid ♂, with black wings on 20.10.04
Bracon anthracinus ♂
B. variabilis 3 ♂♂ (not mounted)
B. apiculatus ♂ & ♀
B. hyperbolicus 1 ♀, ant. 25

Hormius variegatus ♂ not mounted
Epantia of 12.10.04, prof. ♂. h. of inf. ♂ & ♀
h. of tanager small ♂. B. of 20.10.04? (long ant. etc.)
Euphrasid (Euphrasid) ♂ 20.10.04, 3♀♀: 24♀, 1 ♂ ant. 20.10.04, 25.10.04
Metacoelus scutellatus ♂, small, ant. 24
M. leucogaster ♂, ant. 24/25
Euphrasid? (Euphrasid) ♂, small, ant. 25
Epantia tenebricola ♂, ant. 24

127. 12. 1904, cont. Rye Water, KD., cont.
Taken at 2, cont.

Stenomacrus cretator ♂, 42 B. variabilis ♂, ant. 41
B. of bifasciatus with 2 ♀, ant. 25
B. of 20.10.04 ♂, ant. 25. B. elongatulus ♂, ant. 21
B. elongatulus ♂, ant. 27, clear wings & sharply defined venation
B. of 20.10.04 ♂, ant. 27
Bracon ♂ not mtd
Aphidius ♂ & ♀

Proctos 3 ♂♂ mounted
Meteorus ♂ not mtd
Euphrasid ♂ mtd

Taken at 3. [11 mounted from 3 & then labelled 24.10.04]

Bracon ♂
Euphrasid ♂, B. variabilis, B. anthracinus ♂

Leucospis bellula ♂
Bracon tenebricola ♂

Bracon communis ♂ & ♀
Euphrasid pallipes 20.10.04

12.7.42, cont. Royal Canal, Dublin, cont.

Taken at 5, cont.

Homocidus 4, *H.* sp. 1
Euclyptus ^{14mm long} *fulvipes* 3, *E.* sp. 1
Stenomacrus *caudatus* 3, ant. 23 (one 20, one 24)
Camptoplex 4, including 2 *Campt.* *caudatus*

Homocidus 100

Helictes 3000

Mesochorus 20, ant. 23

Apanteles 21, 8 taken in *Helictes* fungus (ant. 22)

Ichneumon *brachypterus* 20, 288, common

Phaenocarpa *curvicauda* 2, ant. 40

Euclyptus *fulvipes* 2, 200, 19

Euclyptus *victorinus* 2

Mesochorus *atrator* 10, ant. 24, taken long, very strong

Opius *ringulatus* 1, *O.* *communis* 20

Alloea *contracta* 20

Phaenocarpa *infrapallens*

Euclyptus 2000 only = *A. tumida* *nitens* (very fine), ant. 23, +

A. *sp.* *nitens* 2, ant. 23, 5, 1st tergite + 1st sternite (P. *nitens*)

A. *sp.* 2, ant. 24

12.7.42, cont. Royal Canal, Dublin, cont.

Taken at 5, cont.

Stenomacrus *pubescens*, *brachypterus*, *fulvipes* (100), *aplanus*
D. cyclops 1, small ♀, ant. 20. *D. elongatus* 2, ant. 22.
D. longipes 28, ant. 23.
D. sp. *nitens* 100, 1000. *D.* ant. 25, long 2nd tergite long.

Aphidius *sp.* frequent: only kept the following 248

= *A. rosae* *nitens* *brachypterus* *fulvipes* *nitens* (ant. 23,

aplanus light yellow, 20.

Proctos 3: all mounted.

Ichneumon 1, *Ichneumon* 1.

Co. Cavan: R.C. FARIS

Taken at Banboe, Co. Cavan, by R.C. Faris (collected from many small papers.)

29.5.42. *Homocidus* *fulvipes* 20. *Stenomacrus* *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Opius *fulvipes* 10, ant. 23. *Opius* *sp.* *nitens* 10, ant. 23-24.

6-13.5.42. *Stenomacrus* *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

31.5.42. *Stenomacrus* *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Stenomacrus *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Shannon Hd. 25.5.42. *Stenomacrus* *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Portlough, Glenties, Lond. 28.5.42. *Stenomacrus* *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

Drumcaran, 8.30 PM, 22.5.42. *Stenomacrus* *nitens* 20, ant. 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

23 July 1943. A fairly fine day with some sun & some rain. The day was not very hot but quite warm.

In afternoon rode to Phoenix Park & up to the house camp in the area at west end. Phoenix Park, Co. Dub.

1 = upper part of Fairy Glen just below septu tank & down to road. most taken amongst willows just below the tank.

2 = under a large shelter built at the limit of park for point 5 of Farmless Gate (i.e. gate to be built between Hawthorn & Hawthorn gate).

3 = about spring & on one of the flows, ~~small valley~~ ^{at} 3 end of Fairy Glen ~~near west~~.

Varpa vulgaris of the old oak trees near at 2. [19 mounted from 1 then labelled 31.10.1944]

Taken at 1. *Antenn* 2 off. 1st & 2nd. *Epistemon pygmaeus*. *Ichneumon* vol. 2.

Cryptine - about a dozen, including *Microplitis* *variegata*.

23.7.43. 2nd day, Phoenix Park, Co. Dub. and. Taken at 1, cont. [19 mounted from 1 then labelled 31.10.44]

Pimpla *hirsutella* pupa 2 mounted. *Lucina* 2 collected. *Bombus* *terrestris* 2000.

Bombus *terrestris* 2000. *Bombus* *terrestris* 2000. *Homocidus* *pictatorius* 2. *Stenomacrus* 1000. *Heterostichus* 2. *Pteronotus* 2 off. 1st & 2nd. *Ichneumon* 2000.

Pteronotus of *Stenomacrus* 2. *Ichneumon* *terrestris* 2. *Stenomacrus* 1000.

Phygadeuon 1st. *Ichneumon* *pallidus* 1st. *Stenomacrus* *terrestris* 2000. *Stenomacrus* *terrestris* 2000. *Aidichia* *flaviventris* 2. *Stenomacrus* *terrestris* 1st. *Alsea* *contracta* 1. *Brachymeria* 2.

Aspilota (*Syrphid*) *flaviventris* 2, 1st. *Q* (15.) *parvulus* 2, 1st. *Daenusa* *arabum* abundant, but none taken. *Ephedrus* *plagiator* 2.

Praon *volucre* 234, 1st. *P. dactylis* 18, 1st. *P. dactylis* 18, 1st. *Aphidius* *avenae* 1st.

Praon 3. *Cynipid* 2.

Ichneumon *terrestris* 2000. *Stenomacrus* *terrestris* 2000. *Aidichia* *flaviventris* 2. *Stenomacrus* *terrestris* 1st. *Alsea* *contracta* 1. *Brachymeria* 2.

23.7.42, cont. Phoenix Park, Dub., cont.

Taken at 2. [28 mounted from 2 & the labelled 2 more]

Antennae - m.p. 4 (very small - 11)

Euclyptus fulvipes? ♀, very small, head obscure, legs slender.

Apanteles fuscipes ♀

Microctonus cf. *caesus*? ♀, dark legs, ant. 22.

Metacoelus 2 ♂♂ = *M. subcylindricus*? pale form, stigma too dark.

Blacus longicornis 2 ♂♂, ant. 19. *B. longicornis* 1 dark ♂, ant. 21.

Opius ♂ + ♀ = ? ♂ + ♀ ♀ near *caesus*, ant. 24, but not 24!

Alloea *caesia* ♂

Pentapleura fuscipes 1 small ♀ (the other is a pupa)

Orthocentrus ♂, black abd. of *O. curvicauda* ♂, ant. 22.

Aspilota ruficornis, larva, pair, ♂ + ♀, both ant. 23, ♂ rather small.

A. ruficornis ♂, 2d left.

Exochus *caesus* ♂, ♂ + ♀, ant. 22, 2d left.

E. caesus ♂, ♂ + ♀, ant. 22.

D. sp.? ♂ near *lygatus*, ant. taken at 22, 2d left.

Phaenocarpa *plagiator* ♂

Proctos 2 ♂♂

Opius *sp.*? ♂ + ♀, ant. 22, 2d left.

A. ruficornis ♂ + ♀, ant. 22, 2d left.

A. ruficornis, ♂ + ♀, ant. 22.

A. ruficornis, ♂ + ♀, ant. 22.

23.7.42, cont. Phoenix Park, Dub., cont.

Taken at 2, cont.

Ichneumon *sp.*

Homocidus *prostrator* *maurici*? ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.*

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.*

Ichneumon *sp.* ♂ + ♀, ant. 22.

Ichneumon *sp.* ♂ + ♀, ant. 22.

25. 7. 42, cont. Phoenix Park, Du., cont.

Taken at 3. [Only nine mounted, the labelled 2 not.]

Cryptine 6, incl. *Atrepta* in *lucida* ♂♂ (4) 12.10.42

Hydroptilidae 1, incl. ♂.

Bracon *lucida* ♂.

Proctos *lucida* ♂.

Proctos *lucida* ♂.

Microplitis *lucida* ♂.

Blacus *lucida* ♂.

Opius *lucida* ♂.

Adelius *lucida* ♂.

Diaprius *lucida* ♂.

D. adreana in *proserpina* ♂, ant. 21.

D. dilata sp. n. ♀. Type: A.N.S. 4.11.1944.

D. dilata ♂, small, ant. 19.

Ephialtes *lucida* ♀.

E. phaeus 3♂♂, 1♀, the last with rather pale antennae & abdomen.

Aptesis sp. incl. ♂.

Exochus ♂.

Black, head very much
resembling *lucida*, wings
very dark, ant. 21, small
antennae, legs dark.
Antennae, ant. 21.

26th July 1942. A nice morning, after a day of heavy
rain & strong wind, turning dull at 9.45 &
gradually turning to drizzle about 10.15 & continuing
all night, wind - Dublin changing from SW to
SE at some time in drizzle commences.

Left home about 10.30 & rode to Royal Canal
at hunting station, KD, on way, at which
from 1. I had left sackcloth in basket at home
with 2 packs of tea & all collecting apparatus
except collecting (both) bottles. Therefore
could not collect, so went along canal
to plantation W. of Louisa Bridge & had lunch
(carried by Daisy) by which time drizzle had
ceased. Collected briefly for 5.0 PM at large
fungi growing out of root of poplar (± dead)
& took one *Proctos* with fungus on poplar leaf -
plantation & the road home, arriving 3.30 just
before home, rain started.

Bombus *terrestris* ♂ on *Scilla* *maritima*.

B. hortorum ♀ on *Carduus* *lanceolatus*, now in flower after rain.

P. lapidarius ♂ on *C. lanceolatus*.

B. agrorum & *lucorum* ♀♂ near.

P. lucorum = *lucorum* sp. n.

27th July 1942 A fine day, after a wet night;
wind E-NE drifting as the day went on, with
much sun in afternoon & cloudy intervals.
Visited M S D Westhoff in afternoon & collected
in his garden with me. 6 P.M.

Westhoff's garden, 10 St. James's Terr., Clonsilla,
DU.

Hypericum sp? leaves terribly cut by
megachile (C. *colla*, *hella*)

Bombus distinguendus ♀ seen; as also 3 weeks earlier.
Colletes 3 or 4 seen at rabbit-hoop. not kept.
Campoplegid 1 ♀ not kept.

Brachymeria *trispulata* ♂♂, a few on white & red currants.
Apanteles glomeratus ²⁹⁴ on rose hake. ^{Aspilota of *signatus* group, but}
^{small, *stigmatalis*?}

Phaenocarpa caudicincta ♂♂ & ♀♀ at rabbit-hoop.

Bombus sp., ♂♂ taken 3 weeks earlier.

Dacnusa pubescens & *lucorum* sp. each.

Ephialtes ♂♂.

Cynipid

Butter: taken at rabbit-hoop & given to E. (M).

30th July 1942. A beautiful day, with my last sun
but fresh E breeze, after a very nice day on 29th
& heavy rain on night & evening of 30th.

In afternoon rode to Glencasmole, leaving about
3.30 at head of upper lake & stayed till 7.30.
Collected in four areas as follows:

- 1 = Flat at head of upper reservoir
- 2 = right bank of Dodder where it comes into
head of upper reservoir, below bridge, &
between road and a flat.
- 3 = old river bed, S.E. between Moore's garden
& river, as far down as Moore's house.
- 4 = under tree between Pottery & pond on
right bank of river, S. of Moore's house.

Glencasmole, Co. DU.

Bombus muscorum, *agrorum* & *terrestris* (all kept)

Lepidoptera & *diabola*, ♂♂ on Purple

Hebe at 1, which flowers were just

at the end, but further south some, though

no doubt other was there but I searched

more carefully.

30.7.42, cont. - Gloucestershire, Eng., cont.

First winged ant 1942 - *Myrmica ruginodis* ♀, ant. 21.

Sam. fly: *Botan. palustris* 1♂, 1♀, 20.7.42 off *Epimedium* 21.1, seen probably to belong to a 2nd brood, but possibly a delayed emergence.

Taken at 1. [2♂ mounted from 1 - these labelled 5.11.42!]

Platylabus vibratorius (= *albivittatus*) 2 specimens ♀, ant. 44.

Glyptoneura 2♂, 1♀, none mounted.

Cryptus ♂.

Leptocryptus ♀, ant. 29, not mtd.

Tryphon 1, not mounted.

Homocidus nigritarsis ♀, ant. 25. *Mesochorus* ♂, ant. 25.

Heterodactylus palustris 2♂, 1♀, abundant on *Epimedium* ♂.

Halictus 2♂, 1♀ (2 fl.) 1♂ + 1♀ mounted, ant. 41 + 46.

Aspilota ? ♂, ant. 21.

Bracon guttiger ♀, ant. 26.

Bracon 4♂, 1♀, 1♂? none described. 1♀, ant. 24. 3♂, 2♀, 30.

Hypophletus rufus Hal. 2♂, 2♀ common in damp spots (? where mint occurred) 1♂, 1♀, 5.11.42.

Mesochorus palustris ♂, ant. 33.

Microcentrus infimus ♂, ant. 25.

Diaploca capita ♂.

[Not an *Aspilota* young description]

30.7.42, cont. Gloucestershire, Eng., cont.

Dacnusa bathytricha ♀, ant. 30.

D. obscura ♂, ant. 28.

D. areolaris ♂, ant. 28, a few more 28.

D. affinis 1, ant. 29.

D. areolaris ♂, ant. 28, abundant in damp spots.

[So far as I know no *D. politus* seen on the vegetation.]

Chorebus ruficornis 2♂, 1♀.

Ephedrus ruber 1, ant. 4.

Praon volucre 1♀, ant. 15.

Trioxys contracta 1♀.

Aphidini frequent: none mtd.

Chalcids 1.

Proctos. 1.

Taken at 2 *Cryptine* 2♂.

[5♂, 1♀ mounted from 21.11.42!]

Pimpla 1♂, 1♀, *Chrysobothris*, small not ♀.

Bracon guttiger ♂, ant. 29. *Microcentrus infimus* ♂.

Pentapleura fuliginosa 1♂, ant. 27. *Dacnusa areolaris* common.

Dacnusa areolaris 1♀. *Praon* ♂.

Aphidini spp.

Cynipid.

30.7.42, cont. - *Glenasmole, Du., cont.*

Taken at 3 [9 mounted from 2 others labelled 6.11.42]

Cryptine 6 including *Pezomachus* 1 *C. angulatus* 1 *C. angulatus* 1 *C. angulatus* 1

Bracon lucicola 2.

Mesochorus 10

Pentapleura 1

Microgaster 10

Aspilota 10

Microgaster 10, 17, 18.

Bracon pilipes 9, *B. communis* 19

Colletes bracon 298. *Oncophanes* 10, 11, 12.

Aspilota fulvipes 1 *C. angulatus* 1

Opis 10, 11, 12. *Microgaster* 10, 11, 12. *Microgaster* 10, 11, 12.

Aspilota 10, 11, 12. *Microgaster* 10, 11, 12.

Dacnusa 499 *D. areolaris* 1000

Prion 10

Aphidius 10 *Prion* 10 *Prion* 10 *Prion* 10

Proctos 2

30.7.42, cont. *Glenasmole, Du., cont.*

Taken at 4 [9 mounted from 2 others labelled 6.11.42]

Cryptine 6, 10, 11, 12. *C. angulatus* 1 *C. angulatus* 1 *C. angulatus* 1 *C. angulatus* 1

Bracon lucicola 2.

Mesochorus 10 *Mesochorus* 10 *Mesochorus* 10

Colletes bracon

Opis 10, 11, 12. *Opis* 10, 11, 12. *Opis* 10, 11, 12.

Aspilota 10, 11, 12. *Aspilota* 10, 11, 12.

Aspilota fulvicornis 10, 11, 12. *Aspilota* 10, 11, 12.

Bracon 10, 11, 12. *Bracon* 10, 11, 12. *Bracon* 10, 11, 12.

D. areolaris 10, 11, 12. *D. areolaris* 10, 11, 12. *D. areolaris* 10, 11, 12.

D. areolaris 10, 11, 12. *D. areolaris* 10, 11, 12.

Prion 10, 11, 12. *Prion* 10, 11, 12.

Aphidius 10, 11, 12.

[1.8.1942, 9 A.M. *Aspilota* 10, 11, 12. *Aspilota* 10, 11, 12. *Aspilota* 10, 11, 12.]

[3.8.1942. *Bracon* 10, 11, 12. *Bracon* 10, 11, 12. *Bracon* 10, 11, 12.]

[31.7.1942. *Macromesochorus* 10, 11, 12. *Macromesochorus* 10, 11, 12.]

Macromesochorus 10, 11, 12.

5th Aug 1945. A fine but dull day with variable wind, NW, then E & finally S with rain, but no sun. Went back to Gull.

Went by 9 AM train to Newcastle, Co. WI, & took bus, no. 1, to side to Graystone & came home by 4.20 train. In latter place, I kept 3 areas south of Newcastle station, but insects decidedly scarce.

The Murrumbidgee, S of Newcastle, Co. WI.

1 = between railway & sea 1/2 mile S of station

2 = marsh, red soil, 1/2 mile S of station

3 = marsh & fields 1/2 mile N of lane at 2 & inside (i.e. W) of the marshes.

Taken at 1, or near there! [Only 12 from 1 mtd. & then labelled 7.11.45]

Homoptera *Thurberia hyemalis* - several of the same species seen, of which I was the first collector in Ireland. (One *Thurberia* collected by me in 1944, but not mtd. & not labelled!)

Capitulum *fruticosa* 10 mtd.

Bombus *terrestris* 10 & 11 abundant on *Scabiosa* across & H. form extraordinarily fresh.

B. distinguendus 10 & 11

C. (dark) mtd. 10 & 11 11.

S. 8. 42, cont. The Murrumbidgee, WI, cont.

Taken at 1, or near there.

Bombus *terrestris* 10 & 11.

P. (dark) mtd. 10 & 11. *B. terrestris* 10 & 11 on *Scabiosa*.

P. (dark) mtd. 10 & 11. *P. (dark) mtd.* 10 & 11 on *Scabiosa*.

P. (dark) mtd. 10 & 11. *P. (dark) mtd.* 10 & 11.

Vespa *vulgaris* 10 & 11.

Pompilus *rufipes* 10 & 11, other seen. } for 1/2 hour near about

Tachyphorus *perforatus*.

11 AM when sun nearly out

Cryptus *viduatus* 10 & 11.

C. (dark) mtd. 10 & 11. *C. (dark) mtd.* 10 & 11.

C. (dark) mtd. 10 & 11. *C. (dark) mtd.* 10 & 11.

Proctos *caeruleus* 10 & 11.

Chalcid *minutus* 10 & 11. *Chalcid* *minutus* 10 & 11.

C. (dark) mtd. 10 & 11. *C. (dark) mtd.* 10 & 11.

Syrphid *fruticosa* 10 & 11.

C. (dark) mtd. 10 & 11.

C. (dark) mtd. 10 & 11. *C. (dark) mtd.* 10 & 11.

O. (dark) mtd. 10 & 11. *O. (dark) mtd.* 10 & 11.

= *O. (dark) mtd.* 10 & 11. Type! 10 & 11. 7.11.1944!

C. (dark) mtd. 10 & 11.

C. (dark) mtd. 10 & 11.

C. (dark) mtd. 10 & 11.

S.E. 42, cont. - The Narrows, W.L., cont.

Taken at 2. [64 mounted from 2 & then labelled 200-249!]

Antenn. 200-2 =

Cryptinae 14 including: -

Antrenia curvipes 200, very small, ant. 20 & 21.

Papilion 1 ♀.

Hemiteles small sp. with large head, foreleg, pale, head

very, small, with 1° =

Red ♀, clouded wings =

Leptocryptus? ♂, ant. 28. Left. = small, ant. 24.

Pimpla stenocoma ♂ 200, ant. 24 & 25, taken at

Glypta ruficincta 2 ♂♂ & ♀♀. *Glypta melanocoma*? ♂, ant. 24

G. concolor ♂.

Liocneta bellula ♂♂ frequent

Microplitis paludicola? ♂. *Euclyptus geniculatus* ♂, ant. 24

Mesochorus ♂

Mesochorus, red line across, ♂♂ & ♀♀ abundant =

Meloboris (Dacnusa) crassicornis, 1 ♀

M. ♀, small sp., about *Dacnusa* but not, head small =

Stenobothrus ♂ & ♀ (200-249) =

ant. both 26

S.E. 42, cont. - The Narrows, W.L., cont.

Taken at 2, cont.

Haliotis ♂.

Proctos (Cryptinidae) ♂♂ & ♀♀ abundant. [200-249 mounted, all with dark legs, ant. 20-21, 22 & 23.]

♂ small ♂, dark legs, ant. 20. 2 ♀♀ of *Myrmica*

B. concolor ♂, ant. 23.

Chelonus cf. *pusillus* ♂ & ♀ (200) ant. 23

Apanteles fulvipes group ♂ & ♀ ant. 24.

A. fraternus 2 ♂

A. cf. *reflexus* Hal? ♂, small but winged, scutellum pale

Microplitis rufipes Hal. ♂, ant. 24 & 25

Mesochorus albicoma? ♂, dark wings, ant. 25.

Opius ♂, both good =

Dacnusa areolaris? swept initially off *Arundo* *thlyptidis*

D. abjecta ♂, ant. 25.

Proctos 10, 2 ♀♀ & others

Aphidius very common: one kept 16. [Which they were swept from *Arundo* I think - about 1000 ft. above the water level. The above are all before 1000 ft. 11/25. 10. 11/25.]

Agromyza (small) ♂, ant. 21. (200-249) ♂

Proctos 5 (mounted)

Chalcids

Hygroplitis 7 mounted

Hemiptera 2 mounted

Diptera 1 mounted

Wasp's nest in front garden, 14 Clareville Rd., Dublin.
Towards end of July, 1942, was seen
entering hole beneath plant of *Dryas* in front
garden & by end of August it was plain
that a colony had been founded in the same
hole as that occupied by one in 1940.

The species was *V. vulgaris*.

Bad weather towards end of August finished
off this colony, which never reached a flourishing
stage & after one whole wet day no signs
of life were ever seen to issue from it.

Taken by E. O'Keefe, August 1942, in Co. Dublin.

Metacoelus ruficornis ♀. Said to have been taken near Red Rock,
Howth, but I suspect really taken in O'Keefe's house! 1.8.42.

Blacus ruficornis, 'a small dark ♀, in moss, St. James, Bloomsbury 2.8.42.

Microcentrus collaris ♂. Portlough, Blessington, Dublin 2.8.42.

9th August 1942. Taken in garden, 14 Clareville Rd.,
Howth, Dublin, DU.

Leptocryptus

10.8.42, not abt., ant. 22.

9th Aug 1942. After a wet morning & storm at
10 o'clock, a perfect afternoon, very warm, with
much hot sun but after 2.30. (W. breeze).

Sphecus very many, *Crabro* many, & lots
of *Centistes*, but I think most belong to a
new & undescribed, frequently noted in Coll. but
very unusual in form of specimen, as far as I know.
Chrysis many with *Chrysis* also about
12 noon: *Homocidus* *fulvus* & *fulvus* ♂♂, *Leptocryptus*
fulvus ♂♂, *Homocidus* ♂♂.
Diapriid *pubescens* ♀ on bellflower.

At 5.15 pm saw the following on flowers
of *Ranunculus* - *Brachymeria* *gibbata* 1.5, repeatedly seen
d. for the last week (?); *Lepidostoma* ♂♂; *Encyrtus*
one large ♂ with black face, yet not coloured
as in *truncatus*; *Microcentrus* ♂♂; *apertus* ♀.

Aft. lunch rode through Glendalough to Bally-
mahilly Mill & back along Grand Canal to
Glendalough, stopped to collect at 3 places, as
follows: on south side of canal a few hundred yards
below bridge at the mill (=1); along edge of wheat
field at same place (=2); near gate of farm 1/2 mile

9th August, 1944.

Further east along canal, just west of entrance to deep
pool, where there often collected before (= 3).

Grand Canal, W. of Clonsilla, Co. Dub.

Bombus agrorum ♀ at 3.

B. lapidarius, & *Psithyrus imperator* ♂♂ common at 3.

B. hortorum ♀ not seen at 3.

Taken at 1. [12 mounted from 12 then labelled on 12.11.1944.]

Small black wasps, = *Selandria cinnipis* ♀.

Cryptinids 5, including: *Attractodes* ♀.

Pezomachus ♀

Pimpla brevicornis ♂

Glypta areolaris ♂ & *G. bifoveolata* ♀, ant. 34.

Homocidus biguttatus ♂.

Microctonus ♂

Exochus 4 including *Meloboris* ♂

9.8.42, cont. Clonsilla, Dub. cont.

Taken at 1, cont.

Brachymeria ♂, ant. 26.

Apanteles fulvipes ♀.

Metacoelus ♂, ant. 28.

Opius *crispulatus* & "small" ♂ 100% of each.

Aspilota (*Synaldis*) *peruviana* ♂, ant. 13.

Dacnusa *areolaris* & *maculipes* (L.) not held.

Coelinius ♂ of *Stige* ♂, large, ant. 28.

Aphidius 100% ♂. not held.

Proctos ♂ (2 mounted).

Proctos ♂ (2 mounted).

Cryptids 2.

Chalcids 1.

Taken at 2. [16 mounted from 2 & then labelled 12.11.1944.]

Perithous ♂.

Cryptinids 2.

Pimpla ♂, ant. 32.

Glypta areolaris ♀.

9.8.42, cont. Blundellin, Dec, cont.

Taken at 2, cont.

Limothly fallator ♂

Mesoleius

Polyblastus red of black hind femora ♂

Promethes latipes ♂

Campoplegid 2.

Helictes ♂, ant 27.

Bracon anthracinus ♀, ant 19.

B. communis ? black of, yellow sides to basal tergite,

black wing, ♂ 20 ♂ (♀ not recorded) [ant. 20, 20 & 21]

B. near discoides ♂, almost clear wings, some black legs, ant 22.

Sigalphus caudatus ? ant 20, but long reddish neck & rather straight wings

Apanteles pleator ♀ *A. circumscriptus* ? ♀, but small.

Diaplocheilus clivator ♂. *Mesochorus* ♂

Opius levissimus ? 1 ♀, ant 21. *Alloea contracta* ♀

Dacnusa elegantula ♀, ant 35. *D. cf. areolaris* 1 ♂. *D. areolaris*

Bracon volucre 2 ♂♂, *Aspilota* ♂♂. *Aspilota* ♂♂. *Aspilota* ♂♂. *Aspilota* ♂♂.

Proctos 6

Black, red & grey, to be recorded

Taken at 3. [21 from 3 mounted & then labelled 12/11/42, 13/11/42]

Anteon 1 ♂♂. *Smicromesochorus* ♂♂. *Polyblastus* ♂♂.

Cryptinids 3: *Aspilota* ♂♂. *Pezomachus* ♀. *Aspilota* ♂♂.

Pimpla maculata, *examinator* 1 ♀. *flavicornis* ♂♂.

Urosus 1 ♂. *Aspilota* ♂♂.

Bracon annulatus 1 ♀, ant 18.

Promethes cognatus ♂. { cf. *delator* ant 20.

Stenomacrus 2 ♂♂, yellow face, with erect = { cf. *concolor* ant 20.

Mesochorus ♂.

Aspilota latens ? 1 ♀, ant 24.

Campoplegid 1 ♂ = *Canadensis*, ant 20.

Theridion ? 1 ♀ =

Opius caesus 1 ♀.

O. cf. pallipes ♂, ant 20.

O. cf. levissimus 2 small ♀♀ (one only about 1 mm long) 1st ant 20, 2nd ant 21.

Pentapleura punctata ♀.

Aspilota myrmica 1 ♀, ant 17.

G. (Chytrichus) persicivorus Th. 1 ♀, very small, long body, ant 12, 13, 14.

Dacnusa laticornis 1 ♀, *aphanta* 1 ♂, *areolaris* ♂♂.

maculipes ♂♂. *Dacnusa* cont. on

9.8.42, cont. Colindale, Gt., cont.

Taken at 3, cont.

Dacnusa areolaris 1 ♂, ant. 32.

D. areolaris 1 small ♂, ant. 20.

Aphidius ♂♂ common: one kept except of course ♂, ant. 15.

Proctos 10 (all of *Gasterocercus* spp.).

Cynipids 2.

Chalcids 1 small, 1 specimen of (*Chalcid*).

11.8.42. Found that from a swarm of *Saturnia pavonia* collected by A.M. Gwyn at

on 1941, 27 ♂♂ & 13 ♀♀ of *Pteronophora pavonia* had emerged (probably when I was in charge, before 30th May & 9th June). All were of course, long dead.

SWIFTS

The bulk of our Swifts departed on night of 10th-11th August, but two seen on Fairfield Rd., Tarnham, on 13th & one screaming, apparently alone, on 14th evening of 14th.

Taken or seen in garden, 14 Clareville Rd., Dublin, on 13th Aug 1942. A very hot sunny afternoon after much rain & a heavy drizzle between 2 & 3 PM. *Bombus lucorum*, *terrestris*, *agrorum*, *terrestris* & *lapidarius* ♂♂ or ♀♀ seen in garden, mostly on flowers of *Geranium*.

Exochus leucostomus & *E. clausenii* (1 ♀) seen at post. *Odynerus parietum* ♀ seen searching hole from apparently for larvae of *Mesochorus filicornis* (which is a usual, abundant in many places).

Chrysis ignita at post & other *Chrysis* under *Agropyron* - *Chrysis* on *Agropyron* & *Chrysis* on *Agropyron*.

Agropyron

♀, ant. 20.

Pimpla horreorum ♀, ant. 21.

Pimpla horreorum

♂, ant. 20.

Proctos 5.

Small & large White Butterflies very abundant recently, especially the former.

[L. H. G. & others, 10.10.1942]

16th Aug. 1942 A fine day, with sun & rain, with a strong SW-W wind after a rather deep depression & series of depressions during previous week. Cooler than previous day, which was very hot & damp, with heavy rain in forenoon in Dublin.

Rode to Royal Canal ^(Louisa Bridge) at Leixlip station to KD after lunch 1/2 mile west of same along canal to the wood plantation, but latter place very windy & insects hard to find. Collected by sweeping in four areas as follows:—

- 1 = Slope from road to Rye Water N. of canal
- 2 = Field on right bank of Rye Water north of 1.
- 3 = Bank of canal, tow-path, etc., just E. of plantation 1/2 mile W. of Louisa Bridge
- 4 = Inside walled plantation

Bombus lapidarius ♂♂ & ♀♀

B. lucorum a few ♂♂

B. ruderarius ♀♀ & ♂♂, one of former stung me on the arm & followed me & attacked on several times, even after being captured in net & released. A painful sting, but pain only lasted about 5-10 minutes.

16.8.42 Rye Water & Royal Canal, KD., cont.

Bombus agrorum ♀♀ & ♂♂

B. distinguendus 1 ♂ at 1.

Pachymeris ruficornis ♂♂ common

P. campestris ♂♂ of both subspecies & dark variety common.

P. distinctus 1 ♂ certainly seen

Andrena minutula 2 ♂♂ heard 1 ♀ at 3.

Tenthredella montivaga ♂♂ & ♀♀ with very red abdomens

frequent on Wild Carrot, *Angelica* etc. at 3, 4, canal.

Tenthredo crenata group ♂♂ & ♀♀ common & abundant

Attholus several seen

Small Hail of. at 4 = *Selandria compta* ♂

Stenobothrus nigritarsis ♂♂ at 2, in leaf, etc., corner of field.

Collected many beetles & 1 ♂ *Stenocorus* mtd. of large beetle-like fungus on dead poplar tree at 4, as on previous occasion.

16.8.42, cont. Rye Water, KD.

Taken at 2, cont.

Ephedrus lucidus ♀, with testaceous abdomen.*E. salidus* 1 ♀, small.*Praon volucre* ?*Aphidius* sp. a few ♂♂Proctos. 8 ^{mounted} included - *Paracodrus apterogynus* ♂

Chalcids 3.

Lysichids 2

Taken at 3. Royal Canal, KD. [Museum sent to me
labelled 18.11.42]

Cynipids 3.

Pimpla tarsatorius group 1 ♂.*P. debilis* group 1 ♀, probably *robusta* group.*P. variator* 1 black-bodied ♀, ant. 25.*Glypta curvipes* group 1 ♀.*G. mucronata* ♀.*G. "negra brachymeria"* 1 ♀, w. long brach. abdo. 1 ♂.*Bassus areolaris* 3 ♀♀ (1 mounted, ant. 18).

16.8.42, cont. Royal Canal, KD. cont.

Taken at 3, cont.

Meteorus ♂ & ♀, ant. 45 & 45 - *Alucida fallax* ♂ & ♀.*Phaenocarpa apterogynus* ♀, ant. 34 (14.11.42, mounted).*Exochus* sp. 5, included - 2 ♀♀ *Phaenocarpa* (3/4/42).*Opius saevus* 1 ♀, ant. 27.*Dacnusa areolaris* ? 1 ♂ & ♀, long antennae, 20-seg.*D. areolaris* 2 ♀♀*Praon volucre* ♂ & ♀, ant. 24 & 18; ♂ with dark legs.*Aphidius* cf. *lucidus* group 1 ♀, ant. 18 & 19; long antennae 20-seg.

Tetraneura ♂, ant. 13.

Chalcid 1 =

Taken at 4. [24 mounted from 4 & there labelled 19.11.42]*Phaenocarpa pygmaea* ♂ & ♀.*Phaenocarpa pubescens* 2 ♀♀, ant. 34.*Ph. pubescens* 2 ♀♀ common; 1 mounted (18.11.42, ant. 34).*Dacnusa pumilio* ? 1 ♂. black.*Ichneumon latulatus* ? ♀.

16.8.42, cont. Royal Canal, KD., cont. Taken at 4 cont.
 Cryptine 9, including *Pezomachus rufipes* 3 ♀, also *C. rufipes*
Stelma geyleri ♂, *Leptocryptus rufipes*.

Campoplex tumidus group 3 ♂♂

Chorebus ♂, ant. 28.

Bracon rufipes ♂.

Homocidus pulcher & *pallipes* ♂♂

Microgaster 2 ♀♀ (2 off on 22, ant. 26, the other 22, ant. 27)

Coelinius 2 ♀♀ = *Diodes* *exiguus* ♂, ant. 25, &

Colletes braconius ♂♂ & ♀♀. *Rhyssalus elevatus* ♀, ant. 26.

Apanteles concolor ♀: ant. 26!

Opius comatus 1 ♂, ant. 31, & 4 ♀♀, ant. 22, 22, 23 & 23.

Opius angulatus & *comatus* both: 2 ♀♀ each.

Alloea contracta ♀. *Apanteles concolor*? ♀ (ant. 26)!

Orthostigma subnigrum? ♂, ant. 24.

Aspilota *pusilla* & *longipes* ♂♂. + *Aspilota* *speciosa*

= *A. brevicornis* ♂, ant. 24, & *A. longipes* ♂, ant. 24.

A. scintilla, 2 m. ♂, ant. 24.

A. putillana ? ♂, ant. 25.

A. (Aspilota) levis m. ♀, ant. 25, type found.

16.8.42, cont. R. Canal KD. cont.

Taken at 4, cont.

Bracon areolaris, *maculipes*, *canaliculatus*, *sericans* ♂

Cyclops (2), *elyantula*? (1, ant. 26)

D. californicus ♂ (1, ant. 22), ant. 22: the first then seen taken

D. elyantula ♀, ant. 26

Praon *rubrum* common

Aphidius 1 ♀

Proctos 11.

none mounted!

17.8.43. Taken in
 Westbury garden at
 Blackheath, Dublin
 3 m. ♂, ant. 24!

Chalcids 5.

Cynipids 3.

1 Proct.

Colletes: collected a great many, small, mostly red &
 black. like *pusilla* but *pusilla* is larger & has a more
 & 2 ant. (= *Stenomacrus* *pusilla* ♂, ant. 24 & *Stenomacrus* *pusilla* ♀, ant. 24). The latter included:-

Hygroplitis subnigrum ♂.

Stenomacrus *pusilla* ♂, ant. 24.

Synaldis geniculatus 1, ant. 22.

2 - none taken

1, 2, 3 & 4?

19th August 1942. A windy day, with much sun in morning, but clouds, rain & some showers about in aft., the ft. no showers fell here as yet. Wind mostly S. & very strong, however, after a depression without rain to previous 2 days.

In afternoon rode to Glenasmole & collected in 4 areas by scripps, as follows:—

1 = right bank of river below the reservoir, between footbridge & the ford. 3.30 - 4.30 P.M.

2 = left bank below Moore house, along the old scripps, river channel. 4.30 - 5.15 P.M.

3 = under trees, etc., from upper end of station 2 back to footbridge: left bank 5.15 - 5.30 P.M.

4 = along edge of lower reservoir & under trees near the bank on W side of same. 5.30 P.M. / 6.0 P.M.

Glenasmole, Co. DU.

Taken at 1. [17 mounted from 1 & then labelled 26 to 42.]
Sawflies 3. *Phaenocarpa* (or *Phaenocarpa*)? 14.

Verpa austriaca 2♂♂: one kept: one sent to K. G. Blair.
Cynipids 3 including *Microctonus* *truncatus* & *Stenomacrus* *giganteus*.
Hemiteles 1 ♂, small ♂, ant. 20 =

19.8 42, cont. Glenasmole, DU, cont.
Taken at 1 cont.

Pimpla *antipalustris* 1 ♂, 1 ♀.

Phaenocarpa 1 ♂.

Promethes *scutellatus*, *latipes*, *fulvipes*, & *cyaneus* 1 ♂.

Homocidus *subopacus*, *Polyphaga* 3 small ♂♂ in 1 ♂ locality.
or 1 ♂ was same (other side of river).

Stenomacrus 2 ♂♂ = cf. *scutellatus*, with dark legs, & (one small)

Colletes *brunneus* 1 ♀.

Euphranta *extrema* 1 ♀.

Opius 1 ♂ (or 1 ♀) - 1 ♂, 1 ♀, with 2 ♂♂, 1 ♀.

O. manipulator 1 ♂.

O. manipulator 1 ♂.

Phaenocarpa *protellae* 1 ♂. *Adelura* *flaviventris* & *cyanea* 1 ♀ each.

Aspilota off *Aspilota* = *A. dentifemur* m. 1 ♂, 1 ♀, with 1 ♂, 1 ♀.

A. rufipes *cyaneipes*, *fulvipes*, with smaller *Aspilota* m. 1 ♂, 1 ♀, with 1 ♂, 1 ♀.

A. fusca & *A. alba* (1) 1 ♂ of each, ant. 19 & 20, the latter with larger head, etc.

Exochus *arctatus* in low bush. 1 ♂, 1 ♀.

D. longicauda 1 ♂.

D. melanocera 1 ♂, ant. 16.

Phaenocarpa 2 ♂♂. [aphidius not a specimen!]

Proctos 2 off m. 1 ♂, 1 ♀. [1 ♂, 1 ♀, small ♂, small ♀, mounted as *Proctos* in glass, mounted, 4th ant. 21 & 19; also 1 large black ♂, with 22-seg. ant.]

19.8.42, cont. Glenasmole, Co. DU, cont.
 Taken at 2. [16 mounted, 3 then labelled 22.11.42]

Phaenocarpa ♂, Head, red legs, black torso, ant. 20 &

Cryptus 6: only one mounted = *C. dybowskyi* ♂ ant. 25

Glyptocentrus ♀

Promethes *negatus* ♂ *Hemiteles* *obscuripes* ♂

Picrostigma *notata* ♂ 1 ♀

Campoplex 1 ♂

Mesochorus ♂ 1 ♀

M. ♂ 1 ♂ (det.) ant. 38

Bracon *sericans*? 6 small ♀ ant. 22-24 *B. aphidivorus* ant. 25
 (det. small *Phygadeuon* ♂)

Chorebus *involutus* ♂ & ♀, ant. 26 & 27 - very mounted

Meteorus *fragilis* ♂, ant. 24

Opius *concolor* ♂ 1 ♀

Picrostigma *proctori* *sericans* 1 fin. ♀ } not mounted

Aspilota *pusilla* 1 ♂, ant. 18

Dacnusa *areolaris* *sericans*

D. longiradicis 6 fin.

D. aphidivorus 2 ♂, one with all red legs? (fin. ♀)

D. bellina ♂ ^{2 not mounted}

19.8.42, cont. Glenasmole, DU, cont.

Taken at 2, cont.

D. areolaris *sericans* 1 ♀, ant. 25

Phaenocarpa *conjugens* ♀

Promethes 3

Aphidius 2 ♂ 1 ♀ ant. = *A. rosae*? a small ♀, ant. 14

& *A. cf. jugosus* ♂ & small ♀, ant. 15

Picrostigma 4 (2 mounted)

Glyptocentrus 2 (1 mounted)

Taken at 4 (for station 3 see next page →)

Cryptus *Spiloscaphus* ♀ [4 mounted from 14 & then labelled 22.11.42]

Picrostigma *involutus* ♂, ant. 26 *Chorebus* *notata* ♂, ant. 26

Mesochorus ♂ *Taylorella* *obscuripes* ♀, carrying 1 young

Theridion ♂ =

Mesochorus *sericans* ♀, ant. 17

Picrostigma *proctori* ♂, ant. 27

Rhyssalus *nigricornis* ♀, ant. 41 *R. brevis* ♂, ant. 47 *Meteorus* ♂ (det.)

Aspilota *pusilla* ♂, ant. 13, very small *A. (Synaldis)* *pusilla* ♂, ant. 21

Dacnusa *areolaris* *sericans* ♂ *D. longiradicis* 2 ♂ *D. bellina* ♂

Aphidius ♂ ♂ *Picrostigma* ♂ ♂

Picrostigma 6

Synaldis 2 = *Alloea* *sericans* 2 ♂, one with all red legs

19.E.44, cont. *Glenasmole, DU., cont.*

Tapinot 3 (not 4! A.W.S.) see p. 304, *cont.*

Trypoxys ♂ [Only 5 mounted from 1, others labelled 23.11.44]

Bracon trivittatus ♂. *Promethes pubescens* ♂.

Microgaster ♂

Rhyssalus circumscriptus ♂, ant. 40.

Aspilota / *proctos* ♂, small, ant. 18.

Dacnusa areolaris ♂.

D. laticincta ♂: a nice ♂, no doubt off or about water.

Bracon ♂.

Proctos ♂. (2 mounted).

Cynipid 1

22nd Aug. 1944. A very fine day with the best for some time after a cold & rainy week. Light night. Gentle SW breeze in morning, sun & cloud alternating during the day, very hot in places. Rode to Blessington where arrived about 12.30 noon & at 2.0-3.00 went on to Glendary where collected till about 4.30. On way, drove over into NE & E trange off the road which led round a gap over the hill & over Bally. On way down Slade of Support could see the smoke of Bally & a kind of sea - with drift of up the Liffey Valley as far as Limerick. But the hills proved about Tallaght were quite clear & far from smoke or mist. Collected in the areas as follows:

- 1 = Blessington: slope to where old road runs down into the water of the new reservoir. Co. WI.
- 2 = just east of 1, swampy field sheltered by belt of trees sloping down to new reservoir, half way between Blessington & the new bridge. Co. WI.
- 3 = Glendary: S. side of pond & drain at end of same road to dyke, at head of the copper channel, Co. KD.
- 4 = Glendary: in wood (remain of) & new plantation on WI side of boundary wall, in upper part of channel. Co. WI.

23.8.42, cont. Bloomsbury, Co. WI.

Thrips

Bombus lucorum ^{the} nest at foot of dry slope to the road, with about 5 yards of each other. one ♀ & ♂ seen to enter the one, but for now ♀♀ the ♀♀ repeatedly seen to enter & leave the other nest, as if actually working. No ♂♂ seen about the nest at all. at 1.

B. agrorum frequent*B. desertorum* ♂♂ in marsh at 2.*Psithyrus barbutellus* ♀ on thistle at 2.*Ps. rufescens* ♂♂ on thistle at 1.*Ps. distinctus* ♂ at 2 on thistle.*Halictus*: many ♂♂ of *alpinus* & *coleridgei* seen.*H. lunorum* ♀♀ seen.

[No doubt other species also present but not looked for.]

Tenthredinella subphana? ♂♂ & ♀♀ common at 1 & 2.*Tenthredinella colona* ♀ on apple at 2.*Athalia* spp. seen at all stations. not named.

Red Admiral Butterfly seen near Britton on
saturated ground. 1 ♂ seen of same brood.

23.8.42, cont. Bloomsbury, Co. WI.

Taken at 1. *Agromyza* very abundant.
[The majority from 1 & 2 then (at 1 & 2) 25.8.42]

Cryptus 9. ⁴⁹⁹⁴ incl. 1, fully up with *lucorum* antennae
of hind 3 left; *Leptocryptus* elong. ♂; *Hemiteles* small ♂; *Hemiteles* *impositus* 3294, all with antennae of 1st seg.

Bombus lucorum ♂. *Psithyrus* *agrestis* ♂. *Hemiteles* *pubescens* ♂.*Andrena* ♀, ant. 24.*Andrena* ♂ & ♀.*Theridion* at 1.*Andrena* *cruciatella*? ♂.*Bombus* *pubescens* ♀♀.[No *Andrena* seen]*Andrena* *reluctans* 1 ♀, ant. 22.*Open* *involuta* 1 ♂. *Andrena* *agrestis* 1 ♂. *O. curvis* 1 ♀.*Andrena* *flavipes* ♂ & ♀.*Andrena* *flavipes* ♂, only 1 ♂-seg. ant., head & thorax*Andrena* *flavipes* *panicea* ♂, ant. 22.*Andrena* *adducta* ♂. *Andrena* *abundant*.*Andrena* *pubescens* 1 ♀.*Andrena* *cyathus* 1 ♂, ant. 24.*Andrena* *cruciatella* ♂, ant. 24.

23.8.42, cont. Blenheim, W.I., cont.

Taken at 1, cont.

Dacnusa sp. 1 ♀, ant. 40.*D. areolaris* 2 ♂♂, ant. 36 & 37.*D. cf. areolaris* ? ♂, ant. 35.*D. cf. aphanta* ? 6 ♂♂, ant. 34, 32, 32, 32, 32, 32; reddish tinge to 3, 4, 5.

head slightly widened behind the eyes.

Phaenocarpa sp. 1 ♂ & 1 ♀.*Ephedrus* *plagiator* ♂.*Praon*.*Ephestia* sp. very rare: a few ♂♂.*Ephestia* sp. very rare: a few ♂♂.*Praon*, common, none kept.Taken at 2. *Antennae* *supra* ♀ [23 mounted from 2 others labelled 26.11.42]*Cryptus* 7: included *Pezomachus* *perceptor* ♀, *Pezomachus*1 *Meristylus* *hirsutus*, ♂, ant. 22.*Scaphium* *subulatum* (but *signatus* from 1 ♂, 24.11.42, 24.11.42)*Promethes* *inceptor* 1 capsule, 1 ♂. *Stenomacrus* *aurifrons* ♂*Homocidus* *obscurus* 1 ♂.*Helorus* 2 ♂♂.

23.8.42, cont. Blenheim, W.I., cont.

Taken at 2, cont.

Brachymeria *ph. 7* 9 ♀♀: not mounted.*B. areolaris* ♂, ant. 24. *B. areolaris* ♂, ant. 25.*B. areolaris* ♂ & ♀, ant. 29 & 27.*B. areolaris* ♂, ant. 32.*Euclyptus* ? ♀ = *Oncophanes* *montana*, ant. 21.*Microgaster* *glabellus* ? ♂, 24.4: not kept.*Aphidius* *infernus* ? 1 ♀.*Phaenocarpa* *supra* & *trifurcata* 1 ♂ each.*P.* 1 ♀, small, with very short antennae.*Opius* *irregularis*, common, 1 ♂, 1 ♀, 1 ♂, 1 ♀, 1 ♂, 1 ♀.*O. cf. pectorator* (H. 192), ant. 31.*O. pallipes* ? small ♂, ant. 24. *O. pallipes* ♂, 3rd inst. ♂, ant. 28.*O. irregularis* ♀, ant. 23.*O. cf. pallipes* ant. 25 ♀ (very small, ant. 25).*Alloea* *contracta* 2 ♀♀.*Aspilota* 2 ♀♀ = *A. rubripes* ♂, small ♂, with rather slender wings. (antennae & petiole 4-seg.)+ *A. cf. rubripes* ♂, small ♂, with 5-seg. ant.*Dacnusa* *areolaris*, *subulata*, *aphanta*, 1 ♂, 1 ♀, 1 ♂, 1 ♀.*Helorus* 1 ♀, *clavicornis*, *montana* ♂ examined: kept the following.

Rechts gegen 12 Jahre 11/2

Trypanid 1 ♀ =

Comp. Physiol. 2.

Geophila capit. C.

Adelung Heinrich, 2

26th August 1942. A very fine day with E. SE wind,
 rather strong in afternoon, but soft & sunny in
 most of the morning, after a drizzle in the morning
 with very heavy rain. In afternoon rode to
 Glenasmole & went up to head of upper reservoir.
 There collected for some time; also collected
 on west side of upper reservoir & on right bank
 of river below foot bridge below upper dam.

Glenasmole, Co. DU.

1 = Flat at head of upper reservoir.

2 = west shore of upper reservoir near the boat in
 moat.

3 = right bank of river below footbridge, under trees, etc.

Taken at 1. [15 mounted from 1 & these labelled 30/8/42?]

Very few butterflies on Purple Loosestrife when usually
 many at this season; no doubt because of recent
 heavy rain. Many P.P. moths have been killed off.

Longhorn beetle including some small black ones (Hemiloma^{ant. 20}); also
 1 ♀ which has pattern like *Dacnusa*, with short ^{ant. 20} and also some
 = *Hemiteles* ^{ant. 18} *fulvipes* 2 ♀.

Also 1 m.a. of *Mesochorus* with white marked face
^{ant. 25.}

26.8.42, cont. Glenasmole, DU.
 Taken at 1, cont.

Pimpla bursellii group 1 ♀ = *P. bursellii*?

P. hermanni 2 P.P.

Proctos subcyl. ♂.

P. latipes ♂.

Homocidus obscuripes ♂.

H. nigritarsis ♂.

Hedrodactylus paludicola? ♂, common amongst *Gnath.*
 (same species as taken here on 30.7.42?)

Stenomacrus ♂ with somewhat broken =

Campoplex 6.

Mesochorus ♂.

Helorus sp. ant. 26, dark legs =

26.8.42, cont. Glencastle, DU, cont.

Taken at 1, cont.

Exochus - a *terrestris* *Exochus* 1 ♂ mounted & 1 ♀

Metacoelus scutellarius ♂, ant. 34.

Opius *caesus* ♂.

O. hirtus 1 small ♂, ant. 21, but full legs.

O. glaucus 1 small ♂, ant. 22.

O. pagenalis 1 ♂, ant. 20, full legs.

Exochus *areolaris* abundant.

D. scutellarius 1 small, common.

D. obscura ♂, ant. 29.

D. cf. areolaris 1 ♂ } ant. 27 (broken), of 28-30, mounted & 1 ♀
very weakly mounted, perhaps full of eggs.

D. fuscipes 1 ♀

D. elegantula 1 ♀

Chorebus *virgatus* ♂♂ common, 1 ♀.

Aphidius sp. 1 ♂, ant. 29 ♂ kept = *A. ruficornis* *Harold* ♂, ant. 29

1 ♂ of ? small dark ♂, ant. 15, weakly mounted & full of eggs.

Proctos 4

Trypoxys 1.

28 & 29.8.42. 14, Clareville Rd.,
Harold's Cross, Dublin.
Microcryptus 1 ♂, ant. 32, full legs.
taken in house? on 29.8.

Proctos =
taken in garden on 28.8.

26.8.42, cont. Glencastle, DU, cont.

Taken at 2. [5 mounted from 2 & then labelled 30/11/44.]

Exochus *hirtus* ♂, ant. 25.

Exochus *areolaris* ♀, ant. 25.

Exochus *terrestris* ♂, ant. 33.

Exochus *areolaris* ♂, ant. 11.

Exochus *volucris* ♀, ant. 19.

Phaenocarpa ♂ =

Taken at 2. [Only four mounted & then labelled 30/11/44!]

Exochus ♂.

Exochus *terrestris* 1 ♂, 1 ♀.

Exochus *trinitatis* ♂♂, *Exochus* ♂ & ♀

Exochus *terrestris* ♂ & ♀.

Opius *caesus* ♀, not mounted.

Exochus *areolaris* common, small ♀.

D. aphanta 2 ♂♂, small, full legs, but ant. 26-27 ant.

Proctos about 1 dozen, only 1 kept.

Trypoxys *terrestris* ♂ & ♀

31.8.42. Collected in Westropp's
garden, 5 Westropp, Dublin.
Aspilota *infrascripta* ♀, ant. 21.
Proctos ♂ & ♀ on rabbit trap.
= *Trypoxys* *areolaris* mounted trap.

31.8.42. Collected in Westropp's
garden, 5 Westropp, Dublin.
Aspilota *infrascripta* ♀, ant. 21.
Proctos ♂ & ♀ on rabbit trap.
= *Trypoxys* *areolaris* mounted trap.

3- Sept. 1942. A fine day, nearly all sunny, but with rising glass & very strong W. wind after a bit & due to passing depression.

Went by 10.25 bus to Portmarnock, with Desmond P. Wallis & Fergus O'Rourke: the former having found a colony of the ant *Myrmica rubra* on the edge of the dunes near the Sutton end of the peninsula, just outside the high ridge which bounds the golf links & in line with a mark on the beach & the centre of Luland's Eye. Here the nest is well underground & at or near the foot of the slope bounding the older & newer formed dunes. *M. scabrinodis* (a small nest form) & *M. ruginodis* *laevigata* (2), as well as *Lasius niger* also nearby. (259 mounted & 1 black the only *Myrmica* 1942)

Scout before lunch in dunes N of golf links & then along shore to the point (=1) after lunch & with a reverse order back to road, but wind nearly gale force by then & very little out (=2) see p. 321 →

[40 specimens from 1 mounted & then labelled 2.12.1942]

Bombus lapidarius ♂♂ common, some failed near Port. *B. lucorum* a fresh ♀ seen on hortensia at 2. *B. nemorosus* 1 ♂ on roadside.

3.9.42, cont. Portmarnock, Co. Du. cont. -
Poithyrus campestris 1 dark ♂ near road at 2.
Mellicope curvica ♂ & ♀ seen at 2. *P. fulvus* yellow ♂ & ♀ seen in dunes. *aphidius* *luteus* at 1.
Taken at 1.

Colletes cunicularius ♂, ant. 24

Ichneumon latator group ♂, ant. 29.

Cryptus 2 black ♂♂, very hairy, ♂♂ with yellow marked faces = [ant. 27 & 28]
Atractodes tenax ♂, ant. 31. *Agathidium* ♂, ant. 21.

Pimpla hirsuticornis 1 ♀. *Homocidus nigritarsis* ♀, large, ant. 22.

Perilissus subcinereus ♂, ant. 31.

Euclyptus caudatus 1 ♂, face entirely yellow, ant. 42. (cf. 345 taken at 2.)
Chromus geminus 2 ♂♂, 1 ♀, ant. 38, 40 & 39 (2).

Chrysothrix 3 (2 mounted) =

Aspilota conspersa ? ♀, ant. 29.

Aspilota ♂, ant. 32.

Bracon variator 1 ♀, dark wings, ant. 26.

B. ruficornis ? 3 ♀♀, ant. 32 & 34 (3rd ant. broken).

Sigalphus caudatus ♂♂ & 1 ♀ (♂♂ only mounted, ant. 22 & 23).

Chelonus caudatus 2 ♂♂, 2 ♀♀, agree well!

Acrogaster on paper. ♂, ant. 31.

Blacus humilis ? ♀. *Dacnusa vitripennis* ♀, ant. 27.

Dacnusa glabra Nie. 1 ♂, 1 ♀. *D. areolaris* ? ♀, ant. 21.
ant. ♂ 31, ♀ 25/26-27. Took long, narrow wings & deeply tinged.

3.9.42, cont. Portmarnock, 841. cont.

Taken at 2. [36 from 2 months & then labelled 3.12.1942!]

Scaph. Pterophora fulvipes 2 swept off *Salix repens*.

Luciola 1 ♀ =

Luciola quadrata 1 ♂, 1 ♀, along edge of dune, not near
Luciola of 2 taken on *Salix repens* on edge of dune
 & one along coast of dune on *P. maritima* of Portmarnock.

Homocidus ruficornis 1 ♂

H. ruficornis 1 typical ♀ & 1 ♂ (black mouth)

Stenomacrus 1

Stenomacrus geminus ♂, ant. 37. *Neurocrassus* 1 ♂, ant. 37

Camptopoda 4, included 1 ♂ with black wings & 2 ♂♂ with
 black wings, furrowed propodeum, strong sinuate like tibiae, ant. 37.

2 swept off

Hyposoter 2 ♂♂, ant. 34, 35. *Hyposoter* 2 ♂♂, ant. 34, 35

Bracon erythrostictus 4 ♀♀, ant. 34, 35, 35 & 37, etc. *Exochus*

B. fulvipes 2 ♀♀

Apanteles sp. 2 2 ♀♀, both present on *Salix* 1 ♂

Stenobothrus var. *laticornis* 2 ♀♀, ant. 34, 35. *Stenobothrus* 2 ♀♀, ant. 34, 35

S. flavipes 2 ♀♀, ant. 34, 35. *S. flavipes* 2 ♀♀, ant. 34, 35

S. affinis 2 ♀♀, ant. 34, 35. *S. affinis* 2 ♀♀, ant. 34, 35

3.9.42, cont. Pt. M. 841. cont.

Taken at 2. cont.

Scaph. Pterophora fulvipes 2 swept off *Salix repens*

Scaph. Pterophora fulvipes 2 swept off *Salix repens*

Scaph. Pterophora fulvipes 2 swept off *Salix repens*

Scelio 2

Stenomacrus 2 =

Stenomacrus

9th Sept. 1942 - Very fine fall day, with small rain

on 10th. Wind NW breeze, after rain -

mixed weather, with strong SW winds.

Work of *Stenomacrus* in aft. evening about 3.30.

Collected for about 1 1/2 hours at head of upper

reservoir (=1) & for 20 minutes on W. side of Slade

Brook channel, opposite where boat is moored on W.

side of upper reservoir & near dam (=2). In the latter

station a few insects taken along W. side of channel

off alders & c., but most under trees of plantation

on top of W. bank of channel, where I had seen swept

before.

Beach. 5

Cratichneumon uliginosus C⁵

Proctos, 5; none aff.

Philip L.

Lynx

Rectus. 2

Chapter 1.

13th Sept. 1942. A fine but overcast dull & windy day, after a fine week, with gentle to brisk S.E. breeze. Cool.

Left home along a road, via R.A. road, to Landerstown, Grand Canal, Co. KD., SW. of Sallins, as often before. Collected in

four places, as follows:—

- 1 = Western field, S of road & plantation, 1/4 mile E. of Landerstown House, 2-3 crop bags!
- 2 = Eastern field, S of road, with wheat & oat plantation, & potatoes & oats in upper half near the earthen ridge along S. side: oats & wheat very poor & not cut.
- 3 = plantation between road & station 10 1/2.
- 4 = side of canal (S) between plantation & Landerstown House.

Grass, 1' in open very wet with dew & too wet to sweep in most places till dew, a little drier drying.

The males *Halictus borealis* swept in oat field at 2 & *Vertigo marmorata* at 4, the latter sent to R. H. Phillops, as it had a well-developed 2nd tooth on foot, 4th tooth.

13.9.42, cont. Landerstown, Co. KD.

Taken at 1 or 2 & brought home in bottles! [20 of these collected 11.12.1942]

Chamaea nictitans? & about black.

Chamaea nictitans? or

Chamaea nictitans =

Pezomachus fasciatus

Pezomachus fasciatus 299 at 2.

Chamaea nictitans & *Chamaea nictitans* 299 at 2.

Chamaea nictitans 299 at 2.

Chamaea nictitans 299 at 2.

Chamaea nictitans 299 at 2.

Chamaea nictitans 299 at 2.

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Chamaea nictitans 299 at 2.

13 g 42, cont. Landerstown, W.D., cont.

Taken at 2. [26 from 2 labelled 9.12.1944, as well as some on p. 328]

Psylla fusiformis 1 semi-brachypterous ♀ taken near, up & down ^{cut} stream of sheet lying on edge of field

Henitela 2 ♂♂, black of 1 on mounted, ant. 21 =

Lirioides bellator ♀ *Promethes sulcator* 2 ♂♂ frequent

Homocidus pulcher 2 ♂♂. *H. nigritarsis* ♂

Ge. leptogaster 1 ♂

Theridion ♂♂ & ♀: 1 ♂, 1 ♀ mounted, ant. 21 & 17 =

Microctonus 1 ♂

Pentatom ♂ *Blacus ruficornis*

Dacnusa areolaris ♂ ant. 25 *D. areolaris* ♂, ant. 25

Opius irregularis ♀ *O. communis* 2 ♂♂

O. communis ♀ *Diastorus* ♀, ant. 36

O. rufipes [♂ & ♀] ♂ large of 1 only, ant. 35

Allua contracta 1 ♂, 4 ♀♀ *Allysiid manducator* 1 ♀

Aphidius major ♂ *Aph. tenuicornis* 2 ♂♂

Aspilota 1 ♀ [all seen here]

Dacnusa areolaris, *bellina* 1 ♂, *cyathoph.* 2 ♂♂

D. elegans ♀♀ abundant. *D. areolaris* 1 ♂, ant. 35

D. cyathoph. 1 ♂. *D. dentata* 1 ♂

Aphidius flagellator abundant, 2 ♂♂ all ♀♀: 3 ♂♂, 1 ♂♂

Monastomus cf. *unicornis* 2 ♂♂, all ant. 17-18, very small

13 g 42, cont. Landerstown, W.D., cont.

Taken at 2, cont.

Aphidius spp. many kept only 2, 1 ♀

A. pterocomma ♀, ant. 30, 1 ♂, 1 ♀, 1 ♂, 1 ♀

A. pterocomma 1 ♂, ant. 17

Proctos 23, including *Proctotrupes gladiator* Hal. 3 ♂♂

Pancirtus apterus 5 ♂♂ & ♀ *P. gravidator* 1 ♂

(1 only mounted)

Lygus 2 ♂♂ & ♀ on mounted

Chalcids 2

Cynipids 3

Taken at 3. [9 mounted from 3 & 4 then labelled 9.12.1944]

Centistes 1 ♂

Cryptinids 3, including *Pezomachus parvulus* ♀

Henitela small sp. ♀

Lirioides bellator ♀ on *areolaris*

[*L. melleipes* or *trialis* ♀ seen with *bell.*]

Phaen. tricolor ♀

Meteorus fragilis ♀, ant. 31

Blacus ruficornis

